

**White Mesa Uranium Mill**  
**Chloroform Monitoring Report**

**State of Utah**  
**Notice of Violation and Groundwater Corrective Action Order UDEQ**  
**Docket No. UGQ-20-01**

**2<sup>nd</sup> Quarter (April through June)  
2007**

Prepared by:

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**August 31, 2007**

## **1. INTRODUCTION**

This is the Quarterly Chloroform Monitoring Report, as required under State of Utah Notice of Violation and Groundwater Corrective Action Order State of Utah Department of Environmental Quality ("UDEQ") Docket No. UGQ-20-01 for the 2<sup>nd</sup> Quarter of 2007 (the "Quarter") for Denison Mines (USA) Corp.'s ("DUSA's") White Mesa Uranium Mill (the "Mill"). This Report also includes the Operations Report for the Long Term Pump Test at MW-4, TW4-19, TW4-15 (MW-26) and TW4-20 for the Quarter.

## **2. SAMPLING AND MONITORING PLAN**

### **2.1. Description of Monitor Wells Sampled During the Quarter**

During the Quarter, the following chloroform contaminant investigation groundwater samples and measurements were taken:

#### **2.1.1. Groundwater Monitoring**

Groundwater Monitoring was performed in all of the chloroform monitoring wells, being the following wells:

- MW-4
- TW4-A
- TW4-1
- TW4-2
- TW4-3
- TW4-4
- TW4-5
- TW4-6
- TW4-7
- TW4-8
- TW4-9
- TW4-10
- TW4-11
- TW4-12
- TW4-13
- TW4-14
- TW4-15 (MW-26)
- TW4-16
- TW4-17 (MW-32)
- TW4-18
- TW4-19
- TW4-20
- TW4-21
- TW4-22

The locations of these wells are indicated on the map attached under Tab A.

Wells sampled during this reporting period were analyzed for the following constituents:

- Chloroform
- Chloromethane
- Carbon tetrachloride
- Methylene chloride
- Chloride
- Nitrogen, Nitrate + Nitrite as N

As UDEQ is aware, Denison has experienced difficulty in obtaining chloroform samples from well TW4-14. The difficulty arises from the very limited recovery rate encountered at that location. More specifically, it is generally necessary that there be at least 1.5 feet of water within the well in order to obtain a sample which is not influenced by sedimentation from the bottom of the well. At the request of UDEQ, the recovery rate from the TW4-14 location was evaluated by bailing and routine water level measurements in order to determine the necessary time between purging and sample collection. Such an evaluation was undertaken between September 21 and October 20 with limited success in water recovery experienced during this study period. Nonetheless, quarterly samples were able to be collected from well TW4-14 during the 4<sup>th</sup> Quarter of 2006 (November 8, 2006), this has continued in both the 1<sup>st</sup> and 2<sup>nd</sup> quarters of 2007. Because of the limited data base for MW-14, trend analyses is premature and will await the collection of four quarters of data prior inclusion within the graphic display at Tab L of this report. The chloroform concentration in this well was less than the detection limit for the November 8, 2006, February 28, 2007 and 6/27/07 samplings at that location.

### 2.1.2. Groundwater Head Monitoring

Depth to groundwater was taken in the following wells and/or piezometers during the Quarter:

- a) All of the chloroform contaminant investigation wells listed in paragraph 2.1.1 above on May 2, 2007;
- b) The following point of compliance monitoring wells under the Mill's Groundwater Discharge Permit ("GWDP") on 6-20-07 MW17, MW23, MW24, MW25, MW28 and MW32. It is noted that wells MW-1, MW-2, MW-3, MW-3A, MW-5, MW-11, MW-12, MW-14, MW-15, MW-18, MW-19, MW-25 MW-27, MW-29, MW-30 and MW-31 were not measured per the request of UDEQ to accommodate sampling conducted by the University of Utah study.
- c) Piezometers – P-1, P-2, P-3, P-4, and MW's 20 and 21 on June 29, 2007. P-5 on June 29, 2007

*Head Monitoring  
needs to be  
done within a  
week*

In addition, weekly depth to groundwater measurements were taken in MW-4, TW4-15 (MW-26), TW4-19 and TW4-20, as part of the long term pumping test for MW-4.

## 2.2. Sampling Methodology, Equipment and Decontamination Procedures

The sampling methodology, equipment and decontamination procedures that were performed for the chloroform contaminant investigation during the Quarter can be summarized as follows:

### 2.2.1. Well Purging and Depth to Groundwater

- a) A list is gathered of the wells in order of increasing chloroform contamination. The order for purging is thus established. Mill personnel start purging with all of

the non-detect wells and then move to the more contaminated wells in order of chloroform contamination, starting with the wells having the lowest chloroform contamination; and

- b) Before leaving the Mill office, the pump and hose are rinsed with de-ionized ("DI") water. Mill personnel then proceed to the first well which is the well indicating the lowest concentration of chloroform based on the previous quarters sampling results. Well depth measurements are taken and the two casing volumes are calculated (measurements are made using the same instrument used for the monitoring wells under the Mill's GWDP). The Grundfos pump (a 6 gpm pump) is then lowered to the bottom of the well and purging is begun. At the first well, the purge rate is established for the purging event by using a calibrated 5 gallon bucket. After the evacuation of the first well has been completed, the pump is removed from the well and the process is repeated at each well location moving from least contaminated to most contaminated. All wells are capped and secured prior to leaving the sampling location.

#### 2.2.2. Sampling

- a) Following the purging of all chloroform investigation wells, the sampling takes place (usually the next morning). Prior to leaving the Mill office to sample, a cooler along with blue ice is prepared. The trip blank is also gathered at that time (the trip blank for these events is provided by the Analytical Laboratory). Once Mill Personnel arrive at the well sites, labels are filled out for the various samples to be collected. All personnel involved with the collection of water and samples are the outfitted with rubber gloves. Chloroform investigation samples are collected by means of dedicated bailers and the wells are purged by means of a dedicated portable pump. Each quarterly pumping and sample collection event begins at the location least affected by chloroform (based on the previous quarters sampling event) and proceeds by affected concentration to the most affected location. The dedicated portable pump is appropriately decontaminated prior to each purging sampling event and the QA rinsate sample is collected after said decontamination but prior to the commencement of the sampling event.
- b) Mill personnel use a disposable bailer to sample each well. The bailer is attached to a reel of approximately 150 feet of nylon rope and then lowered into the well. After coming into contact with the water, the bailer is allowed to sink into the water in order to fill. Once full, the bailer is reeled up out of the well and the sample bottles are filled as follows:
  - (i) First, a set of VOC vials is filled. This set consists of three 40 ml vials provided by the Analytical Laboratory. The set is not filtered and is preserved with HCL;
  - (ii) Second, a 500 ml sample is collected for Nitrates/Nitrites. This sample is also not filtered and is preserved with H<sub>2</sub>SO<sub>4</sub> (the bottle for this set is also provided by the Analytical Laboratory);

- (iii) Third, a 500 ml sample is collected for Chloride. This sample is not filtered and is not preserved; and
- c) After the samples have been collected for a particular well, the bailer is disposed of and the samples are placed into the cooler that contains blue ice. The well is then recapped and Mill personnel proceed to the next well.

DUSA completed (and transmitted to UDEQ on May 25, 2006) a revised Quality Assurance Plan ("QAP") for sampling under the Mill's GWDP. The GWDP QAP was reviewed by UDEQ and has been approved for implementation. The QAP provides a detailed presentation of procedures utilized for groundwater sampling activities under the GWDP. While the water sampling conducted for chloroform investigation purposes has been conformant with the general principles set out in the QAP, some of the requirements in the QAP were not fully implemented prior to UDEQ's approval for reasons set out in correspondence to UDEQ dated December 8, 2006. Subsequent to the delivery of the December 8, 2006 letter, DUSA discussed the issues brought forward in the letter with UDEQ and has received correspondence from UDEQ about those issues. In response to UDEQ's letter and subsequent discussions with UDEQ, DUSA has incorporated changes in chloroform QA procedures in the form of a separate document. The chloroform QA document describes the differing needs of the chloroform investigation program, and is an attachment to the GWDP QAP where QA needs other than those described in the chloroform QA document are addressed.

### **2.3 Field Data Worksheets**

Attached under Tab B are copies of all Field Data Worksheets that were completed during the Quarter for the chloroform contaminant investigation monitoring wells listed in paragraph 2.1.1 above and sampled June 27, 2007.

### **2.4 Depth to Groundwater Sheets**

Attached under Tab C are copies of the Depth to Water Sheets for the weekly monitoring of MW-4, TW4-15 (MW-26), TW4-19 and TW4-20 as well as the monthly depth to groundwater monitoring data for chloroform contaminant investigation wells measured during the quarter. Depth-to-groundwater measurements collected on May 2, 2007 which were utilized for groundwater contours are included on the Field Data Worksheets at Tab B of this report.

## **3. DATA INTERPRETATION**

### **3.1. Interpretation of Groundwater Levels, Gradients and Flow Directions.**

#### **3.1.1. Current Site Groundwater Contour Map**

Included under Tab D is a water table contour map, which provides the location of all of the wells and piezometers listed in item 2.1.2 above for which depth to groundwater was

taken during the Quarter, the groundwater elevation at each such well and piezometer, measured in feet above mean sea level, and isocontour lines to delineate groundwater flow directions observed during the Quarter's sampling event. The contour map uses the May 2, 2007 data for the wells listed in paragraph 2.1.2 (a) above, June 20, 2007 data for the wells listed in paragraph 2.1.2 (b), and June 29, 2007 for the piezometers and wells listed in paragraph 2.1.2 (c) above.

Also included under Tab D is a groundwater contour map of the portion of the Mill site where the four chloroform pumping wells are located, with hand-drawn stream tubes, in order to demonstrate hydraulic capture from the pumping

### 3.1.2. Comparison of Current Groundwater Contour Maps to Groundwater Contour Maps for Previous Quarter

The groundwater contour maps for the Mill site for the first quarter of 2007, as submitted with the Chloroform Monitoring Report for the first quarter of 2007, dated June 1, 2007, are attached under Tab E.

A comparison of the water table contour maps for the Quarter to the water table contour maps for the previous quarter indicates similar patterns of drawdown related to pumping of MW-4, MW-26 (TW4-15), TW4-19 and TW4-20. Water levels and water level contours for the site have not changed significantly since the last quarter, except for a decrease in water level of approximately 9 feet in MW-23, and an increase in water level (decrease in drawdown) by approximately 8 feet at pumping well MW-26 (TW4-15). Water level fluctuations in the pumping wells are due in part to fluctuations in pumping conditions just prior to and at the time the measurements are taken.

Water level measurements for pumping well should be taken at the lowest W.L.

The water level decrease at MW-23 seems anomalous and may be due to the measurement having been inadvertently taken shortly after a purging event. Water levels in this well recover slowly after purging due to the low permeability of the perched zone at this location.

### 3.1.3. Hydrographs

Attached under Tab F are hydrographs showing groundwater elevation in each chloroform contaminant investigation monitor well over time.

### 3.1.4. Depth to Groundwater Measured and Groundwater Elevation

Attached under Tab G are tables showing depth to groundwater measured and groundwater elevation over time for each of the wells listed in Section 2.1.1 above.

### 3.1.5. Evaluation of the Effectiveness of Hydraulic Capture

Perched water containing chloroform has been removed from the subsurface by pumping MW-4, TW4-19, MW-26 (formerly TW4-15), and TW4-20. The purpose of the pumping

is to reduce total chloroform mass in the perched zone as rapidly as is practical. These wells were chosen for pumping because 1) they are located in areas of the perched zone having relatively high permeability and saturated thickness, and 2) high concentrations of chloroform were detected at these locations. The relatively high transmissivity of the perched zone in the vicinity of the pumping wells results in the wells having a relatively high productivity. The combination of relatively high productivity and high chloroform concentrations allows a high rate of chloroform mass removal.

The impact of pumping these wells is indicated by the water level contour maps attached under Tabs D and E. Cones of depression have developed in the vicinity of the pumping wells which continue to remove significant quantities of chloroform from the perched zone. The water level contour maps indicate that effective capture of water containing high chloroform concentrations in the vicinity of the pumping wells is occurring. As noted in Section 3.1.2, little change in measured water levels occurred between the first and second quarters of 2007, except for the decreased drawdown at MW-26 (TW4-15), and decrease in water level at MW-23. Overall, the combined capture of TW4-19, TW4-20, MW-4 and MW-26 (TW4-15) has not changed significantly since the last quarter.

Although high chloroform concentrations exist at some locations downgradient of the pumping wells (for example, near TW4-4), the low permeability of the perched zone at these locations would prevent significant rates of chloroform mass removal should these wells be pumped. By pumping at the more productive, upgradient locations, however, the rate of downgradient chloroform migration will be diminished because of the reduction in hydraulic gradients, and natural attenuation will be more effective.

### **3.2. Interpretation of Analytical Results**

#### **3.2.1. Copy of Laboratory Results**

Included under Tab H of this Report are copies of all laboratory analytical results for the groundwater quality samples collected under the chloroform contaminant investigation on June 27, 2007 along with the laboratory analytical results for a trip blank.

#### **3.2.2. Electronic Data Files and Format**

DUSA has provided to the Executive Secretary an electronic copy of all laboratory results for groundwater quality monitoring conducted under the chloroform contaminant investigation during the Quarter, in Comma Separated Values (CSV). A copy of the transmittal e-mail is included under Tab I.

#### **3.2.3 Current Chloroform Isoconcentration Map**

Included under Tab J of this Report is a current chloroform isoconcentration map for the Mill site.

### 3.2.4 Data and Graphs Showing Chloroform Concentration Trends

Attached under Tab K is a table summarizing chloroform and nitrate values for each well over time. TW4-14 had a small amount of water just sufficient for sampling (see the discussion in Section 2.1.1 above)

Attached under Tab L are graphs showing chloroform concentration trends in each monitor well over time. As TW4-14 was previously dry, a trend graph for that well has not been included.

### 3.2.5 Analysis of Analytical Results

Comparing the analytical results to those of the previous quarter, as summarized in the table included under Tab K, the following observations can be made:

- a) Chloroform concentrations have increased by more than 20% in the following wells, compared to last quarter: TW4-7, TW4-21, and TW4-22.
- b) Chloroform concentrations have decreased by more than 20% in the following wells, compared to last quarter: TW4-5, TW4-6, TW4-10, TW4-15, TW4-16 and TW4-20;
- c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW-4-1, TW4-2, TW4-4, TW4-8, TW4-11, and TW4-18;
- d) Chloroform concentrations at TW4-9 increased from non-detect to 21 $\mu$ g/L; and
- e) TW4-3, TW4-12, TW4-13, TW4-14, and MW-32 (TW4-17) remained non-detect.

In addition, between the first and second quarters of 2007, the chloroform concentration in well TW4-20 decreased from 4,400  $\mu$ g/L to 1,800  $\mu$ g/L, the concentration in TW4-21 increased from 160  $\mu$ g/L to 300  $\mu$ g/L, and the concentration in TW4-22 increased from 440  $\mu$ g/L to 740  $\mu$ g/L. Chloroform was not detected at new wells TW4-23 and TW4-25, and was detected at a concentration of approximately 3 $\mu$ g/L at new well TW4-24. TW4-24, located west of TW4-22, and TW4-25, located north of TW4-21, bound the chloroform plume to the west and north.

Chloroform concentrations in TW4-6, which was the most downgradient temporary perched well prior to installation of new temporary well TW4-23, decreased from 46 to 11  $\mu$ g/L. This decrease in concentration after two quarters of increases is likely due to a combination of 1) slow rates of downgradient chloroform migration in this area due to low permeability conditions and the effects of upgradient chloroform removal by pumping, and 2) natural attenuation. Both TW4-6 and TW4-23 bound the chloroform plume to the south.

### **3.3. Quality Assurance Evaluation And Data Validation**

Quality assurance evaluation and data validation procedures in effect at the time of sampling were followed. These involve three basic types of evaluations: field QC checks; Analytical Laboratory checks; and checks performed by DUSA personnel, as described below.

#### **3.3.1 Field QC Checks**

Field Quality Control samples for the chloroform investigation program consist of a field duplicate sample, a field blank and a trip blank. These check samples are to be generated for each quarterly sampling episode. During the 2<sup>nd</sup> Quarter of 2006 duplicates (TW4-65, duplicate of TW4-20 and TW4-70, duplicate of TW4-15), a DI blank (TW4-60) and a trip blank were collected and analyzed. The results of these analyses are included with the routine analyses under Tab H.

Where is the  
Ex. BK, see  
See Section 2.2.2

#### **3.3.2 Analytical Laboratory QA/QC Procedures**

The Analytical Laboratory has provided summary reports of the analytical quality assurance/quality control (QA/QC) measurements necessary to maintain conformance with NELAC certification and reporting protocol. The Analytical Laboratory QA/QC Summary Report, including copies of the Mill's Chain of Custody and Analytical Request Record forms, for the November sampling event, are included under Tab H.

#### **3.3.3 Mill QA Manager Review**

The Mill QA Manager, which, for these sampling events was DUSA's Manager of Environmental Affairs, performed four types of reviews: a determination of whether Mill sampling personnel followed Mill sampling procedures; a review of the results from the Field QC Checks; a review of analytical reports for holding times and qualifying indicators for the data; and a review of the Analytical Laboratory QA/QC analysis. The results of the QA Manager's review are discussed below.

##### ***a) Adherence to Mill Sampling SOPs***

On a review of adherence by Mill personnel to the sampling procedures summarized in Section 2.2 above, the QA Manager concluded that such procedures had been followed.

##### ***b) Results From Field QC Checks***

The duplicate samples of TW4-20 indicated a relative percent difference within the prescribed standard of 20%, however the duplicate of MW-15 was out of specification at a relative percent difference of -28.6 %. In addition, chloroform presence was indicated in the field blank and rinsate samples.

In response to these conditions, the QA Manager has previously investigated possible causes of these Quality Assurance anomalies. The areas of inquiry have included possible sources of chloroform from the DI distribution system and methods of sample duplication. As a result of these discussions, the following actions were under considered:

- Eliminating the receipt of chlorinated water to the DI ion-exchange cylinder.
- Providing carbon filtration as a polishing (final) step in the DI water generation process.
- Developing a VOC duplicate sampling plan which ensures the collection of a single homogeneous sample into one common container from which duplicate splits are distributed for analytical purposes. The duplicate method is designed to accomplish this same end result but may be improved upon. Any modification in this procedure will be provided to UDEQ for review and concurrence.

After considerable discussion, a carbon filtration unit has been added to the DI water generation process and the results of that improvement will be assessed for the 3<sup>rd</sup> quarter sampling period, which occurred subsequent to the filtration unit installation.

c) *Review of Analytical Laboratory QA/QC Analysis and Analytical Reports*

The QA Manager reviewed the Analytical Laboratory's QA/QC Summary Reports and made the following conclusions;

- (i) Check samples were analyzed for each method used in analyzing the Chloroform investigation samples. These methods were:

<u>Parameter</u>	<u>Method</u>
Nitrogen, (Nitrate + Nitrite as N)	E353.2
Chloroform,	E624
Carbon tetrachloride	E624
Chloromethane	E624
Methylene chloride	E624
Chloride	A4500-CL B

- (ii) The check samples included at least the following: a method blank, a laboratory control spike (sample), a matrix spike and a matrix spike duplicate;
- (iii) All qualifiers, if any, and the corresponding explanations in the summary reports are reviewed by the QA Manager. The only qualifiers reported were for matrix interference in some of the analyzed monitoring location samples, however, the reporting limit was maintained below the parameter standard in these instances.

- (iv) The laboratory holding time for all analyses was within chloroform specification and sample temperature was acceptable upon receipt.

## **4. LONG TERM PUMP TEST AT MW-4, TW4-15 (MW-26), TW4-19 AND TW4-20, OPERATIONS REPORT**

### **4.1. Introduction**

As a part of the investigation of chloroform contamination at the Mill site, IUSA has been conducting a Long Term Pump Test on MW-4, TW4-19, TW4-15 (MW-26) and TW4-20. The purpose of the test is to serve as an interim action that will remove a significant amount of chloroform-contaminated water while gathering additional data on hydraulic properties in the area of investigation. The following information documents the operational activities during the Quarter.

### **4.2. Pump Test Data Collection**

The long term pump test for MW-4 was started on April 14, 2003, followed by the start of pumping from TW4-19 on April 30, 2003, from TW4-15 (MW-26) on August 8, 2003 and from TW4-20 on August 4, 2005. Personnel from Hydro Geo Chem, Inc. were on site to conduct the first phase of the pump test and collect the initial two days of monitoring data for MW-4. IUSA personnel have gathered subsequent water level and pumping data.

Analyses of hydraulic parameters and discussions of perched zone hydrogeology near MW-4 has been provided by Hydro Geo Chem in a separate report, dated November 12, 2001, and in the May 26, 2004 Final Report on the Long Term Pumping Test.

Data collected during the Quarter included the following:

- a) Measurement of water levels at MW-4, TW4-19, TW4-15 (MW-26), and TW4-20 on a weekly basis, and at selected temporary wells and permanent monitoring wells on a monthly basis (See Section 3.1 and Tabs B and C for a discussion of the water levels);
- b) Measurement of pumping history:
  - (i) pumping rates
  - (ii) total pumped volume
  - (iii) operational and non-operational periods;
- c) Periodic sampling of pumped water for chloroform and nitrate & nitrite analysis and other constituents, as discussed in detail in Section 3.2 above.

### **4.3. Water Level Measurements**

Beginning August 16, 2003, the frequency of water level measurements from MW-4, TW4-15 (MW-26), and TW4-19 was reduced to weekly. From commencement of pumping TW4-20, water levels in that well have been measured weekly. Depth to groundwater in all other chloroform contaminant investigation wells is monitored monthly. Copies of the weekly Depth to Water monitoring sheets for MW-4, TW4-15 (MW-26), TW4-19 and TW4-20 and the October and December monthly Depth to Water monitoring sheets for all of the chloroform contaminant investigation wells are included under Tab C. Monthly depth to water measurements for November are recorded in the Field Data Worksheets included under Tab B.

W.L. measure  
frequency?  
weekly/monthly  
ODM plan

### **4.4. Pumping Rates and Volumes**

#### **4.4.1. MW-4**

Approximately 81,230 gallons of water were pumped from MW-4 during the Quarter. The average pumping rate from MW-4, when the pump was pumping, was approximately 4.0 gpm throughout the Quarter. The well is not purging continuously, but is on a delay device. The well purges for a set amount of time and then shuts off to allow the well to recharge. Water from MW-4 was transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose. At the end of the 1<sup>st</sup> Quarter, 2007, and since commencement of pumping on April 14, 2003, an estimated total of approximately 1,307,110 gallons of water have been purged from MW-4.

#### **4.4.2. TW4-19**

Approximately 605,400 gallons of water were pumped from TW4-19 during the Quarter. The average pumping rate from TW4-19, when the pump was pumping, was approximately 6.0 gpm throughout the Quarter. The pump in this well is operating on a delay. It pumps for approximately one and a half minutes and then is off for two to three minutes. Water from TW4-19 was directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose. At the end of the 1<sup>st</sup> Quarter, 2007, and since commencement of pumping on April 30, 2003, an estimated total of approximately 6,768,986 gallons of water have been purged from TW4-19.

#### **4.4.3. TW4-15 (MW-26)**

Approximately 54,400 gallons of water were pumped from TW4-15 (MW-26) during the Quarter. The average flow rate from TW4-15, when the pump was pumping, was approximately 1.5 gpm throughout the Quarter. The well is not purging continuously, but is on a delay device. The well now purges for a set amount of time and then shuts off to allow the well to recharge. The water is directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose. At the end of the 1<sup>st</sup>

Quarter, 2006, and since commencement of pumping on August 8, 2003, an estimated total of approximately 930,510 gallons of water have been purged from TW4-15.

#### **4.4.4. TW4-20**

Approximately 163,520 gallons of water were pumped from TW4-20 during the Quarter. The average flow rate from TW4-20, when the pump was pumping, was approximately 6.0 gpm throughout the Quarter. The well is not purging continuously but is on a delay device. The well pump is set on a water elevation device. When the water reaches a set point, the pump turns on until the water level drops to another set point. The water is directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose. Since commencement of pumping on August 4, 2005, an estimated total of approximately 642,290 gallons of water have been purged from TW4-20.

### **4.5 Daily Inspections**

Denison has submitted an *Operations and Maintenance Plan, Chloroform Pumping System, White Mesa Mill, Blanding, Utah*, Revision 1.0 to UDEQ for approval. Upon approval of that plan, the Mill will commence documenting its daily inspections of the operational status of the chloroform pumping wells on the daily inspection form, an example of the form of which is attached as Tab M.

### **4.6 Operational Problems**

Operational problems for the 2<sup>nd</sup> Quarter of 2007 included the replacement of the TW4-15 flow meter on May 29, 2007 and the repair of several wells during May. More specifically, starting on May 7, 2007 the pumping wells MW4, TW4-15, TW4-19 and TW4-20 were taken offline for repair. These wells were being retrofitted by Bayles Exploration and were returned to service on May 29, 2007.

### **4.7 Conditions That May Affect Water Levels in Piezometers**

No water was added to any of the three wildlife diversion ponds during the Quarter.

### **4.8 Chloroform Analysis**

Monthly chloroform sampling ceased on November 8, 2003. From that time all chloroform contaminant investigation wells were sampled on a quarterly basis. The sample results are discussed above in Section 3.2.

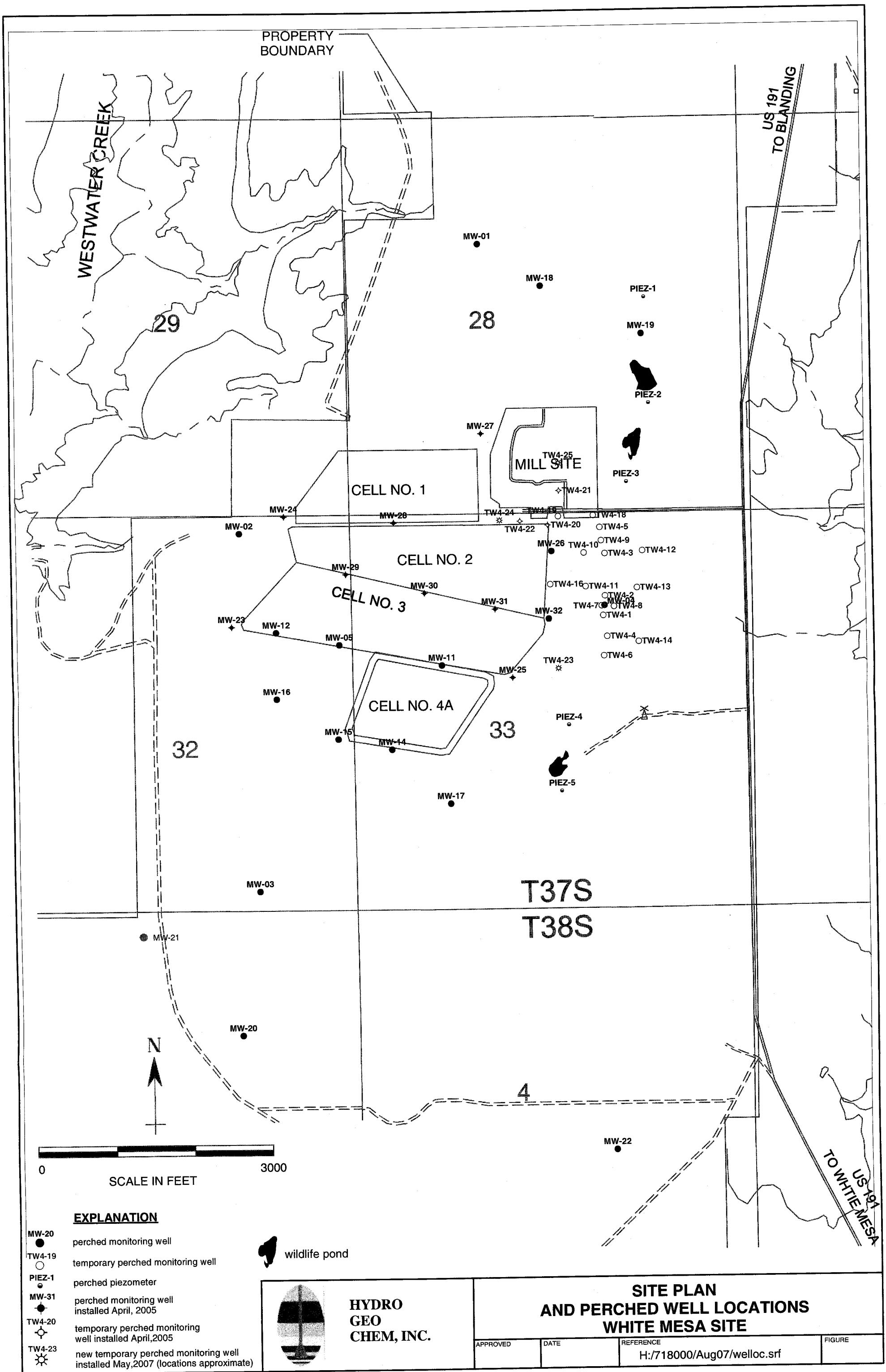
## **5. CONCLUSIONS AND RECOMMENDATIONS**

The water level contour map for the Quarter indicates that effective capture of water containing high chloroform concentrations in the vicinity of the pumping wells is occurring.

Between the first and second quarters of 2007, the chloroform concentration in temporary well TW4-20 decreased from 4,400 µg/L to 1,800 µg/L, the concentration in TW4-21 increased from 160 µg/L to 300 µg/L, and the concentration in TW4-22 increased from 440 µg/L to 740 µg/L. Fluctuations in concentrations in these wells are likely related to variations in pumping in TW4-20 and nearby wells, and their location near the suspected former office leach field source area. Regardless of these measured fluctuations in chloroform concentrations, sampling of new temporary wells TW4-24 (located west of TW4-22) and TW4-25 (located north of TW4-21), indicated these wells are outside the chloroform plume and thus bound the plume to the west and north. Chloroform was not detected at TW4-25 and was detected at a concentration of approximately 3 µg/L at TW4-24.

Continued pumping of TW4-19, TW4-20, MW-4, and MW-26 is recommended. Pumping these wells, regardless of any short term fluctuations in concentrations detected at the wells (such as at TW4-20), helps to reduce downgradient chloroform migration by removing chloroform mass and reducing average hydraulic gradients, thereby allowing natural attenuation to be more effective.

The decrease in chloroform concentration at downgradient well TW4-6 from 46 to 11 µg/L after two quarters of increases is likely due to a combination of 1) slow rates of downgradient chloroform migration in this area due to low permeability conditions and the effects of upgradient chloroform removal by pumping, and 2) natural attenuation. Chloroform was not detected at new downgradient temporary well TW4-23. Both TW4-6 and TW4-23 bound the chloroform plume to the south.



ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: End Quarter Chloroform

Location (well name) TW4-1 Sampler \_\_\_\_\_

Name and initials \_\_\_\_\_

Avery Olsen-Logan Shumway  
Charles Orrin

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event TW4-17

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 111'

Depth to Water Before Purging 65.35 Casing Volume (V) 4" Well: 29.80 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1525 Gal. Purged 18. Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 2250 Conductance \_\_\_\_\_

pH 201 pH \_\_\_\_\_

Temperature 60.8 Temperature \_\_\_\_\_

Redox Potential (Eh) 277 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 6.0

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q = \underline{9.9}$

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments: Arrived on site 1520. Avery Olsen - Logan Shumway  
Charles Orrin present. Weather is hot and sunny - with  
a slight breeze. Water is cloudy when collected. Purge  
began at 1522 ended at 1532. Left site

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-2

Sampler

Name and initials

Avery Olsen - Logan Shumway  
Charles Ofrich

Date and Time for Purging 6/26/07 and Sampling (if different)

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grand fas

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event

TW 4-4

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 9833  $\mu\text{MHOS/cm}$

Well Depth 121.13

Depth to Water Before Purging 71.89

Casing Volume (V) 4" Well: 32.15 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1558 Gal. Purged 12

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 2503

Conductance \_\_\_\_\_

pH 7.10

pH \_\_\_\_\_

Temperature 61.3

Temperature \_\_\_\_\_

Redox Potential (Eh) 423

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured\_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 60

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  10.71

Number of casing volumes evacuated (if other than two)\_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated\_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs\_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	$H_2SO_4$ Y N
Heavy Metals	Y N	250 ml	Y N	$HNO_3$ Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	$H_2SO_4$ Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 1553. Avery Olsen  
Logan Shumway, Charles Orvin present. Purge began  
at 1556, ended at 1607. Weather is sunny and hot  
with slight breeze. Water is cloudy at best when  
collected. Left Site at

Sediment and cloudy

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-3 Sampler Avery Olsen - Charles Orv. h  
Name and initials

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 100'

Depth to Water Before Purging 67.38 Casing Volume (V) 4" Well: 33.05 (.653h)  
3" Well:            (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1033 Gal. Purged 18 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 2120 Conductance \_\_\_\_\_

pH 2.93 pH \_\_\_\_\_

Temperature 59.4 Temperature \_\_\_\_\_

Redox Potential (Eh) 244 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ 6.0

Time to evacuate two casing volumes (2V)  
T = 2V/Q = \_\_\_\_\_ 11.01

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 1025. Avery Olsen-Charles Civil  
Weather is hot and sunny. no breeze. Perge began  
at 1030 ended at 1041. Water is sandy - no odor  
present. Left site at 1045

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-4

Sampler

Name and initials Avery Olsen - Logan Shemway  
Charles Orrell

Date and Time for Purging 6/26/07 and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) Ground fas

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event TW 4-1

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm

Well Depth 114.5

Depth to Water Before Purging 66.58

Casing Volume (V) 4" Well: 31.29 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 15:39 Gal. Purged 18

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 2590

Conductance \_\_\_\_\_

pH 6.82

pH \_\_\_\_\_

Temperature 59.8

Temperature \_\_\_\_\_

Redox Potential (Eh) 400

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured\_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 60

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  10.43

Number of casing volumes evacuated (if other than two)\_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated\_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs\_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 1533. Avery Olsen - Logan Shumway Charles Orrin. Weather is hot and sunny. Purge began at 1536 ended at 1547. Water is clear to sight has sand when collected. Left site

ATTACHMENT 1  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) Tw 4-5 Sampler Avery Olsen-Logan Shumway  
Name and initials Charles Orlin

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 137.5

Depth to Water Before Purging 53.93 Casing Volume (V) 4" Well: 54.57 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

132 Time: 12:00 Gal. Purged 24 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 81.85 Conductance \_\_\_\_\_

pH 6.92 pH \_\_\_\_\_

Temperature 61.3 Temperature \_\_\_\_\_

Redox Potential (Eh) 410 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Expt  
4  
minutes  
in

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 60

Time to evacuate two casing volumes (2V)  
T = 2V/Q = 18.19

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 1302. Avery Olsen-Loran Shumway  
Charles Cruth. Weather is hot and sunny slight breeze.  
Water is clear to sight - sediment present when collected  
Very murky after 2 minutes. Purge began at 1308 ended at  
1326. Left site 1230

**ATTACHMENT 1**

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: Chloroform 2nd Quarter

Location (well name) TW4-6 Sampler Avery Olsen-Logan Shumway  
Charles Orph  
Name and initials

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: Vpump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Chloroform Prev. Well Sampled in Sampling Event TW4-5

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 100'

Depth to Water Before Purging 74.48 Casing Volume (V) 4" Well: 16.66 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1336 Gal. Purged 12 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 3942 Conductance \_\_\_\_\_

pH 6.99 pH \_\_\_\_\_

Temperature 63.0 Temperature \_\_\_\_\_

Redox Potential (Eh) 449 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured\_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} 6.0$  Time to evacuate two casing volumes (2V)  
 $T = 2V/Q = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} 555$

Number of casing volumes evacuated (if other than two)\_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated\_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs\_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 1332 - weather is hot and sunny - slight breeze. Purge began at 1336 ended at 1342. Water is clear to sight - cloudy when collected. Left site at 1345.

ATTACHMENT 1  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-7 Sampler Avery Olsen-Charles O'Furch  
Name and initials Logan Shumway

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: ✓pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 121'

Depth to Water Before Purging 70.23 Casing Volume (V) 4" Well: .3315 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1505 Gal. Purged 12 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 2222 Conductance \_\_\_\_\_

pH 7.55 pH \_\_\_\_\_

Temperature 61.5 Temperature \_\_\_\_\_

Redox Potential (Eh) 290 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured\_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 6.0

Time to evacuate two casing volumes (2V)  
T = 2V/Q = 11.05

Number of casing volumes evacuated (if other than two)\_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated\_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs\_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments: Arrived on site 1500. Avery Olsen - Logan Shumway  
Charles Orvin present. Weather is hot and sunny-breezy  
Purge began at 1503 - water has sand present when  
collected. Purge end at 1514. Left site 1518

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND-WATER**

Description of Sampling Event: 2nd Quarter Ch6d form

Location (well name) Tw 4-8 Sampler \_\_\_\_\_  
Name and initials \_\_\_\_\_

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) Grundfos

Sampling Event \_\_\_\_\_ Prev. Well Sampled in Sampling Event Tw 4-3

pH Buffer 7.0 20 pH Buffer 4.0 40

Specific Conductance 9833 uMHOS/cm Well Depth 126'

Depth to Water Before Purging 70.95 Casing Volume (V) 4" Well: 35.94 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 10:55 Gal. Purged 24 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 3295 Conductance \_\_\_\_\_

pH 7.48 pH \_\_\_\_\_

Temperature 59.0 Temperature \_\_\_\_\_

Redox Potential (Eh) 349 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 6.0

Time to evacuate two casing volumes (2V)  
T = 2V/Q = 11.78

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments

Arrived on site at 1048. Avery Olsen-  
Charles (C) on site. Weather is hot & slight breeze. Purge began  
at 1050. Purge ended at 1103. Water is very cloudy-murky. Left site at 1106.

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW-9 Sampler Avery Olsen - Charles Q.  
Name and initials

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) Ground fcs

Sampling Event \_\_\_\_\_ Prev. Well Sampled in Sampling Event TW4-17

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 121.33

Depth to Water Before Purging 52.38 Casing Volume (V) 4" Well: 45.02 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 08:35 Gal. Purged 60 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 2638 Conductance \_\_\_\_\_

pH 6.69 pH \_\_\_\_\_

Temperature 58.7 Temperature \_\_\_\_\_

Redox Potential (Eh) 497 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 6.0

Time to evacuate two casing volumes (2V)  
T = 2V/Q = 15.00

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 0822 Avery Olsen - Charles  
Orsin present. Weather is hot - no breeze, clear skies.  
Water is cloudy - very clear to sight - until you  
collect. Pump began at 0825 ended at 0840.  
Left site.

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-10

Sampler

Name and initials Avery Olsen - Logan Shumway

Charles Orrah

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event TW4-22

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm

Well Depth 113'

Depth to Water Before Purging 55.87

Casing Volume (V) 4" Well: 3730 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1443 Gal. Purged 18

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 2589

Conductance \_\_\_\_\_

pH 7.01

pH \_\_\_\_\_

Temperature 62.8

Temperature \_\_\_\_\_

Redox Potential (Eh) 434

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured\_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 6.0

Time to evacuate two casing volumes (2V)  
T = 2V/Q = 12.43

Number of casing volumes evacuated (if other than two)\_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated\_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs\_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments: Arrived on site 1438. Avery Olsen-Logan Showway  
Charles Orvin present. Weather is hot and slight  
breeze. Purge began at 1442. Ended 1455.

Water is clear to sight - sand present on  
collection. Left site at 1458.

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-11 Sampler Avery Olsen, Logan Shumway  
Name and initials Charles D. Finch

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: ✓ pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Chloroform Prev. Well Sampled in Sampling Event TW 4-2

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 105'

Depth to Water Before Purging 65.80 Casing Volume (V) 4" Well: 22.33 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1621 Gal. Purged 18 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 4189 Conductance \_\_\_\_\_

pH 6.94 pH \_\_\_\_\_

Temperature 61.1 Temperature \_\_\_\_\_

Redox Potential (Eh) 437 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ 6.0

Time to evacuate two casing volumes (2V)  
T = 2V/Q = 7.94

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken <u>(circle)</u>	Sample Volume <u>(indicate if other than as specified below)</u>	Filtered <u>(circle)</u>	Preservative Added <u>(circle)</u>
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 1612 Avery Olsen-Logan  
Shumway - Charles Ovin present. Purge began at 1618  
ended at 1626. Water is cloudy with sand present.  
Weather is hot and sunny. Purged - left sight

ATTACHMENT 1  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloro form

Location (well name) TW-4-12 Sampler Avery Olsen - Charles Ovch  
 Name and initials

Date and Time for Purguing 6/26/07 0641 and Sampling (if different)

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) Ground fns

Sampling Event Chloro form Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 2.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 101.5

Depth to Water Before Purguing 37.91 Casing Volume (V) 4" Well: 41.52 (.653h)  
 3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

0703 Time: \_\_\_\_\_ Gal. Purged 24 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 654.3 Conductance \_\_\_\_\_

pH 2.01 pH \_\_\_\_\_

Temperature 59.8 Temperature \_\_\_\_\_

Redox Potential (Eh) 486 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ 6.0

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  13.87

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments *Arrived on site 0641 - Sun is coming up. Avery Olsen (Charles) Crum present - this is perusing event only. Purge began at 0659 - water is cloudy to sight - no odor present - purge ended at 0713 left side at left side at 0716.*

ATTACHMENT 1  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) MTW-13 Sampler Avery Olsen + Clark Orvin  
Name and initials

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used:  pump or  bailer Well Pump (if other than Bennet) Ground fcs

Sampling Event Chloroform Prev. Well Sampled in Sampling Event Tw-12

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 98.3 uMHOS/cm Well Depth 105.5

Depth to Water Before Purging 54.79 Casing Volume (V) 4" Well: 33.11 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp. (prior to sampling event) \_\_\_\_\_

Time: 0725 Gal. Purged 42 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 1578 Conductance \_\_\_\_\_

pH 7.02 pH \_\_\_\_\_

Temperature 59.02 Temperature \_\_\_\_\_

Redox Potential (Eh) 484 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 6.0

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  11.03

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments: Arrived on site. 0715 - Purge began at 0718. Avery Olsen, Charles Oruch present. This is a perkins event only. Water is clear to sight (sand/rock/leather is warming up). Slight breeze. Purge ended at 0729. Left site.

Sand present when collected is cloudy.

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) Tw-14 Sampler Avery Olsen-Charles Orvin  
Name and initials

Date and Time for Purging 6/25/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging 91.10 Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)  
T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on Site - Avery Olsen-Charles  
Orvin - weather is warm - sunny - slight breeze Took  
depth - left site 0733

Not enough water to purge

ATTACHMENT 1  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: Chloroform 2nd Quarter

Location (well name) TW 4-16 Sampler Avery Olsen + Charles Ovi Logan Shumway  
Name and initials

Date and Time for Purging 6/26/07 and Sampling (if different)

Well Purging Equip Used: 1 pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Chloroform Prev. Well Sampled in Sampling Event TW 4-8

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 142'

Depth to Water Before Purging 6669 Casing Volume (V) 4" Well: 49.17 (.653h)  
3" Well:                    (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

1211 Time: 1201 Gal. Purged 12 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 3898 Conductance \_\_\_\_\_

pH 7.38 pH \_\_\_\_\_

Temperature 63.4 Temperature \_\_\_\_\_

Redox Potential (Eh) 309 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 60

Time to evacuate two casing volumes (2V)  
T = 2V/Q = 16.39

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on ~~Site~~ 1205 - Avery Olsen Charles Driv  
Weather is hot - slight breeze, water is clear to  
sight - when collected is (sand is present). Purge began  
at 1209 ended at 1225. Left site at 1230.

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-17 Sampler Avery Olson + Charles Orsh  
Name and initials

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event \_\_\_\_\_ Prev. Well Sampled in Sampling Event TW4-13

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 130'

Depth to Water Before Purging 78.61 Casing Volume (V) 4" Well: 33.55 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 0805 Gal. Purged 12 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 3866 Conductance \_\_\_\_\_

pH 6.54 pH \_\_\_\_\_

Temperature 60.4 Temperature \_\_\_\_\_

Redox Potential (Eh) 496 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 6.0.

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  11.18

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments: Arrived on Site 0753 - Avery Olsen  
Charles Orum - weather is hot - clear skies - slight breeze.  
Water is clear to sight - sediment present - no odor is present. Purge began at 0803, purge ended at 0814 left site 0818.

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUNDWATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-18 Sampler Avery Olsen - Logan Shanaway  
Charles Orrell  
Name and initials

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event TW 4-16

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 1325

Depth to Water Before Purging 54.14 Casing Volume (V) 4" Well: 54.36 (.653h)  
3" Well:            (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1243 Gal. Purged 18 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 1798 Conductance \_\_\_\_\_

pH 7.03 pH \_\_\_\_\_

Temperature 66.8 Temperature \_\_\_\_\_

Redox Potential (Eh) 390 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ 6.0

Time to evacuate two casing volumes (2V)  
T = 2V/Q = \_\_\_\_\_ 18.12

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 1235, Avery Olsen-Logan  
Shumway Charles Orvin present. Water is cloudy. Weather is  
hot and sunny - no breeze. Purge began at 1240 ended  
at 1258. Left site.

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-21 Sampler Avery Olsen- Logan Shumway  
Name and initials Charles Oquin

Date and Time for Purgung 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Ground fos

Sampling Event \_\_\_\_\_ Prev. Well Sampled in Sampling Event TW4-6

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 125'

Depth to Water Before Purgung 54.45 Casing Volume (V) 4" Well: 46.06 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1400 Gal. Purged 30 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 3198 Conductance \_\_\_\_\_

pH 7.12 pH \_\_\_\_\_

Temperature 63.1 Temperature \_\_\_\_\_

Redox Potential (Eh) 444 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ 60

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  15.35

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments: Arrived at 1350. Avery Olsen - Logan Shumway  
Charles Orrin. Weather is hot and sunny - breezy.  
Water is clear to sight - sand present when collected.  
Purge began at 1355 ended at 1410. Left site.

**ATTACHMENT 1**

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-22

Sampler

Name and initials Avery Olsen-Logan Shumway Charles Orrick

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: 1 pump or bailer Well Pump (if other than Bennet) Groundfog

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event TW4-021

pH Buffer 7.0 20

pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm

Well Depth 115'

Depth to Water Before Purging 57.67

Casing Volume (V) 4" Well: 32.43 (.653h)

3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 1424 Gal. Purged 24

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 4612

Conductance \_\_\_\_\_

pH 6.98

pH \_\_\_\_\_

Temperature 62.5

Temperature \_\_\_\_\_

Redox Potential (Eh) 454

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured\_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ 6.0

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q$  = 12.47

Number of casing volumes evacuated (if other than two)\_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated\_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs\_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 1418. Avery Olsen, Logan Shumway, Charles Orvin present. Purge began at 1420. Water is clear to sight (just a few granules of sand). Purge ended. 1432 left sight at 1435.

ATTACHMENT 1  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) Tw-4-23 Sampler Avery Olsen Charles Orvin  
Name and initials

Date and Time for Purging 6/26/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Grundfos

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 128

Depth to Water Before Purging 68.57 Casing Volume (V) 4" Well: 35.73 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp. (prior to sampling event) \_\_\_\_\_

Time: 10:11 Gal. Purged 18 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 3515 Conductance \_\_\_\_\_

pH 6.89 pH \_\_\_\_\_

Temperature 60.3 Temperature \_\_\_\_\_

Redox Potential (Eh) 303 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ 6.0

Time to evacuate two casing volumes (2V)  
T = 2V/Q = \_\_\_\_\_ 11.7

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments *Arrived on site 1003, Avery Olsen - Charles Orrin present. Weather is hot and sunny - no breeze. Purge began at 1008 - ended at 1020. Water is cloudy. No color present. Left site at 1025*

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) JW-24 Sampler Avery Olsen-Charles Orvih  
Name and initials

Date and Time for Purging 6/26/07 and Sampling (if different)

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Groundfos

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm Well Depth 122.0

Depth to Water Before Purging 57.76 Casing Volume (V) 4" Well: 41.94 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: 0946 Gal. Purged 24 Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 8392 Conductance \_\_\_\_\_

pH 6.65 pH \_\_\_\_\_

Temperature 61.6 Temperature \_\_\_\_\_

Redox Potential (Eh) 504 Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured\_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ = 6.0

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  13.98

Number of casing volumes evacuated (if other than two)\_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated\_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs\_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments: Arrived on site 0935. Avery Olsen  
Charles Orrin present - weather is hot - breezy - clear  
skies. Purge began at 0942, ended at 0958  
Water is clear - No odor present.

ATTACHMENT 1  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event:

Location (well name) TW-25

Sampler

Name and initials Charles Olin - Avery Olsen

Date and Time for Purging 6/26/07 and Sampling (if different)

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet)

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event TW-4-9

pH Buffer 7.0 20

pH Buffer 4.0 4.0

Specific Conductance 9833 uMHOS/cm

Well Depth 143.15

Depth to Water Before Purging 43.40

Casing Volume (V) 4" Well: 65.13 (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp. (prior to sampling event) \_\_\_\_\_

Time: 0902 Gal. Purged 12

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance 3235

Conductance \_\_\_\_\_

pH 7.03

pH \_\_\_\_\_

Temperature 60.0

Temperature \_\_\_\_\_

Redox Potential (Eh) 493

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 = \text{_____} = 60$

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q = \text{_____} 21.07$

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	3x40 ml	Y N	HCL Y N
Nutrients	Y N	100 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	Y N	Sample volume _____	Y N	Y N  If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on 0855: Avery Olsen - Charles Orrin.  
Weather is hot and clear. No breeze. Purge began at 0900. Water is clear to sight - touch of sediment when collected. No odor present. Purge ended at 0921. Left site, 0928.

- 2nd checking of water clear. - 0912

**ATTACHMENT 1**

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloro form

Location (well name) MW-4

Sampler

Name and initials

Avery Olsen-Charles Ovw

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloro form

Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_

pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm

Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_

Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)

3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) 34°C

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	$\text{H}_2\text{SO}_4$ <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	$\text{HNO}_3$ <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	$\text{H}_2\text{SO}_4$ <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> N
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 1310 - Took samples at 1313 - left site

**ATTACHMENT 1**

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-1 Sampler Charles E. Duv  
Name and initials

Date and Time for Purging 6/22/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event \_\_\_\_\_ Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) 32°C

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO <sub>3</sub> <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 0919 - Took samples  
C922 left site.

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUNDWATER

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-2 Sampler Charles Oush - Avery Olsen  
Name and initials

Date and Time for Purging 6/22/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) 34°C

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken <u>(circle)</u>	Sample Volume <u>(indicate if other than as specified below)</u>	Filtered <u>(circle)</u>	Preservative Added <u>(circle)</u>
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 0950, Took samples at 0953 - left site

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) THW-3

Sampler

Name and initials

Avery Olsen-Charles Quin

Date and Time for Purging 6/27/06 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_

pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm

Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_

Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)

3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp. (prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> N	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> <input checked="" type="radio"/> N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> N	<input checked="" type="radio"/> N
<i>Inorganic Chloride</i>				
If a preservative is used, Specify Type and Quantity of Preservative:				

Comments Arrived on site 1246 - took samples  
at 1249 - left site.

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-4 Sampler Avery Olsen-Charles Quirk  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or 1 bailed Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event \_\_\_\_\_ Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> <input type="radio"/>	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> <input type="radio"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> <input checked="" type="radio"/> N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative:  _____ _____

Comments Arrived on Site 0910 - Took samples at 0913 - left site

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-5 Sampler Avery Olsen - Charles Orrin

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp. (prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> <input type="radio"/>	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> <input type="radio"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site at 1233 - took samples - 1236 and left site.

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-6 Sampler \_\_\_\_\_  
Name and initials Avery Olsen - Charles E. Olson

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 = \text{_____}$  Time to evacuate two casing volumes (2V)  
 $T = 2V/Q = \text{_____}$

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	(Y) N	3x40 ml	Y (N)	HCL (Y) N
Nutrients	(Y) N	100 ml	Y (N)	H <sub>2</sub> SO <sub>4</sub> (Y) N
Heavy Metals	Y N	250 ml	Y N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	(Y) N	Sample volume 250 ml	Y (N)	Y (N)
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 0857 - Took samples left site.

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-7 Sampler Avery Olsen Charles Orvin  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp. (prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)  
T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken <u>(circle)</u>	Sample Volume <u>(indicate if other than as specified below)</u>	Filtered <u>(circle)</u>	Preservative Added <u>(circle)</u>
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> N	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO <sub>3</sub> <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> N
<u>Inorganic Chloride</u>				
If a preservative is used, Specify Type and Quantity of Preservative:				

Comments Arrived on site 0928 - Took samples  
at 0931

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter  
Location (well name) TW4-8 Sampler Avery Olsen-Charles Orvin  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured\_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  \_\_\_\_\_

Number of casing volumes evacuated (if other than two)\_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated\_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs\_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> N	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO <sub>3</sub> <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume 250 ml	<input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> N
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 0939 - Took samples  
at 0942 left site.

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloro form

Location (well name) TW 4-9 Sampler Avery Olsen-Charles Ouch  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloro form Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) 36 °C

Time: _____ Gal. Purged _____	Time: _____ Gal. Purged _____
Conductance _____	Conductance _____
pH _____	pH _____
Temperature _____	Temperature _____
Redox Potential (Eh) _____	Redox Potential (Eh) _____
Turbidity _____	Turbidity _____
Time: _____ Gal. Purged _____	Time: _____ Gal. Purged _____
Conductance _____	Conductance _____
pH _____	pH _____
Temperature _____	Temperature _____
Redox Potential (Eh) _____	Redox Potential (Eh) _____

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken <u>(circle)</u>	Sample Volume <u>(indicate if other than as specified below)</u>	Filtered <u>(circle)</u>	Preservative Added <u>(circle)</u>
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 1218- took samples at 1225 left site

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: In 1/4 Quarter Chloroform

Location (well name) TW4-310 Sampler CO  
Name and initials Avery Olsen-Charles Orish

Date and Time for Purging 6/27/02 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or V bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp. (prior to sampling event) 35°C

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken <u>(circle)</u>	Sample Volume <u>(indicate if other than as specified below)</u>	Filtered <u>(circle)</u>	Preservative Added <u>(circle)</u>
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> <input type="radio"/>	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> <input type="radio"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> <input checked="" type="radio"/> N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments

Arrived on site 1258 - Took samples  
at 1301. Left site

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TH4-11 Sampler Avery Olsen  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HNO <sub>3</sub> <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 100S - Took samples at  
1008 - left site

**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform Sampling

Location (well name) TW 4-12 Sampler Avery Olsen-Charles Orvin  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 = \frac{=}{T = 2V/Q} =$  Time to evacuate two casing volumes (2V)

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> N	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> N	<input checked="" type="radio"/> N
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 0805 - Took samples  
0810. Left site

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) Thru-14 Sampler Avery Olsen Charles C., Jr.  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) 24°C

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_ Time to evacuate two casing volumes (2V)  
T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> N	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> <input checked="" type="radio"/> N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> N	<input checked="" type="radio"/> N
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative:

Comments Arrived on site 0828-Took samples 0833, Took samples left.

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-15 Sampler Avery Olsen + Charles Ovch  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> N	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> N	Y <input checked="" type="radio"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 1042 - Took samples at 1045 left site.

**ATTACHMENT 1**

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-16 Sampler Avery Olsen, Charles Orvin

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)  
T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	HCL <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	HNO <sub>3</sub> <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments

Arrived site at 1029 - Took samples  
at 1032 - Left site.

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Charter Chloroform

Location (well name) TWY-17

Sampler

Name and initials Avery Olsen + Charles Orvin

Date and Time for Purging 6/22/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_

pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm

Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_

Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_

Ext'l Amb. Temp.(prior to sampling event) 35°C

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> <input type="radio"/>	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> <input type="radio"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on sight at 1016 - Samples taken  
at 1019 - left site.

ATTACHMENT 1  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-18 Sampler Avery Olsen Charles Ovlin  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken <u>(circle)</u>	Sample Volume <u>(indicate if other than as specified below)</u>	Filtered <u>(circle)</u>	Preservative Added <u>(circle)</u>
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO <sub>3</sub> <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 1438 ~~1430~~ Took samples at  
1442 - left site. CO

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-20 Sampler Avery Olsen Charles O.  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity\_\_\_\_\_

Turbidity\_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured\_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two)\_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated\_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs\_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> <input type="radio"/>	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> <input type="radio"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> <input type="radio"/>	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 1324 - Took samples at 1327 - left site.

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-21

Sampler

Name and initials

Avery Olsen - Charles  
Olsen

Date and Time for Purging 6/22/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HNO <sub>3</sub> <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 1429 - took samples  
1432 - left site

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-22

Sampler

Name and initials Avery Olsen-Charles Ovink

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_

pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm

Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_

Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)

3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q =$  \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> N	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO <sub>3</sub> <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume 250 ml	<input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> N
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____
				_____
				_____

Comments Arrived on site 1343 - took samples at 1346 - left site.

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-23

Sampler

Name and initials

Avery Olsen-Charles Orvin

Date and Time for Purging 6/27/07 and Sampling (if different)

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet)

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_

pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm

Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_

Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)

3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_

pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_

Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_

Conductance \_\_\_\_\_

pH \_\_\_\_\_

pH \_\_\_\_\_

Temperature \_\_\_\_\_

Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO <sub>3</sub> <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site 0843. Took Samples  
at 0848- Left Site.

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW 4-24 Sampler Avery Olsen - Charles Orvin  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) 33°C

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> <input type="radio"/>	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> <input type="radio"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> Y N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	<input checked="" type="radio"/> N	Sample volume <u>250 ml</u>	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site at 1400 - Took Samples  
at 1403 - left sight.

ATTACHMENT 1

**WHITE MESA URANIUM MILL**

**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-25

Sampler

Name and initials

Avery Olsen - Charles Orvin

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or Vbailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 \_\_\_\_\_ pH Buffer 4.0 \_\_\_\_\_

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HCL <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	HNO <sub>3</sub> Y N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> <input type="checkbox"/>	H <sub>2</sub> SO <sub>4</sub> Y N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume <u>250 ml</u>	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>
Inorganic Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____

Comments Arrived on site 1416 - Took samples at 1419 - left site

Mill – Groundwater Discharge Permit  
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**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event:

Location (well name) TW4-70 Sampler Charles OrrName and initials Charles OrrDate and Time for Purging 6/27/07 and Sampling (if different)Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet)Sampling Event Chloro form Prev. Well Sampled in Sampling Event \_\_\_\_\_pH Buffer 7.0 9.0 pH Buffer 4.0 9.0

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
 3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

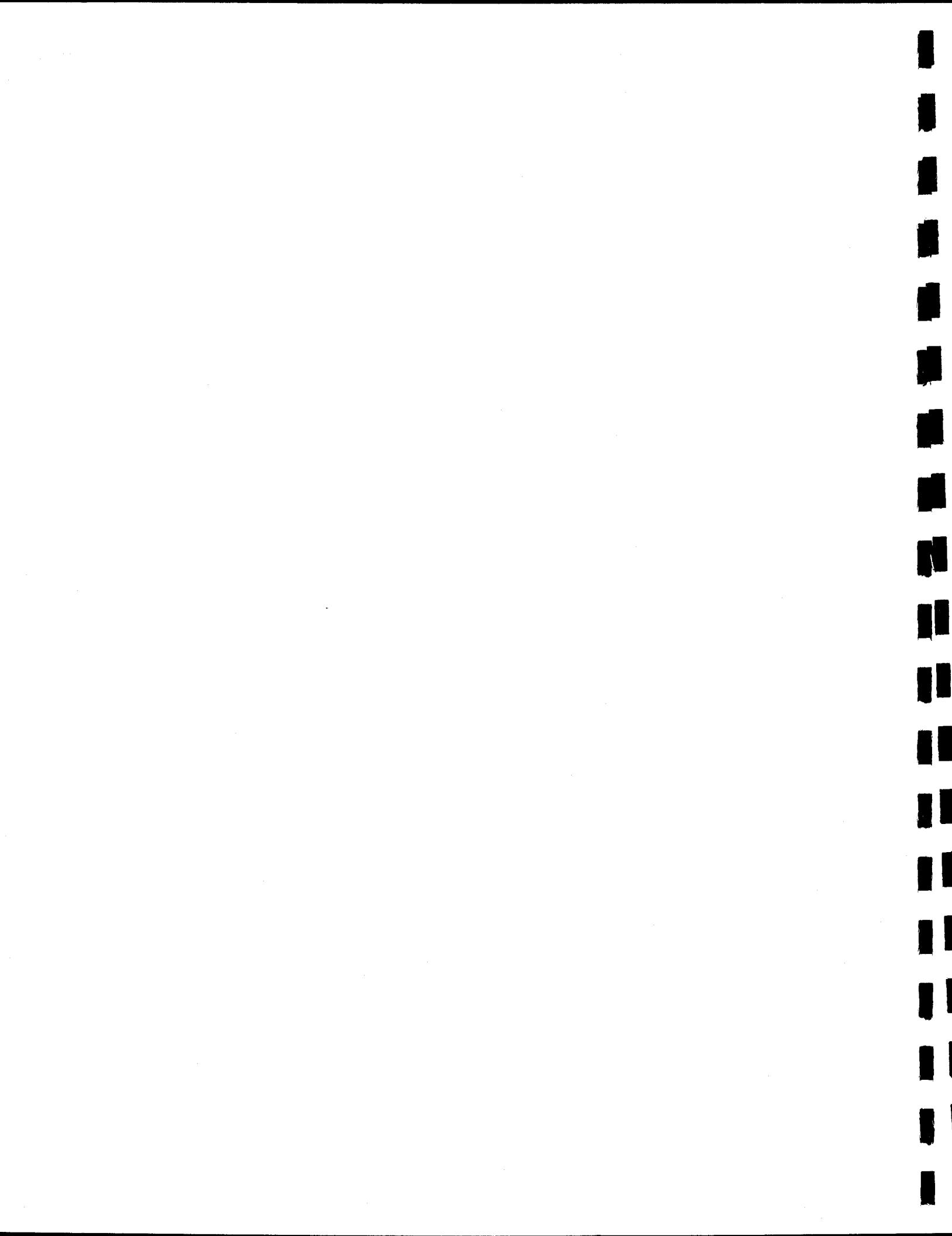
Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Duplicate of TW4-15



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Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = \_\_\_\_\_

Time to evacuate two casing volumes (2V)

T = 2V/Q = \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

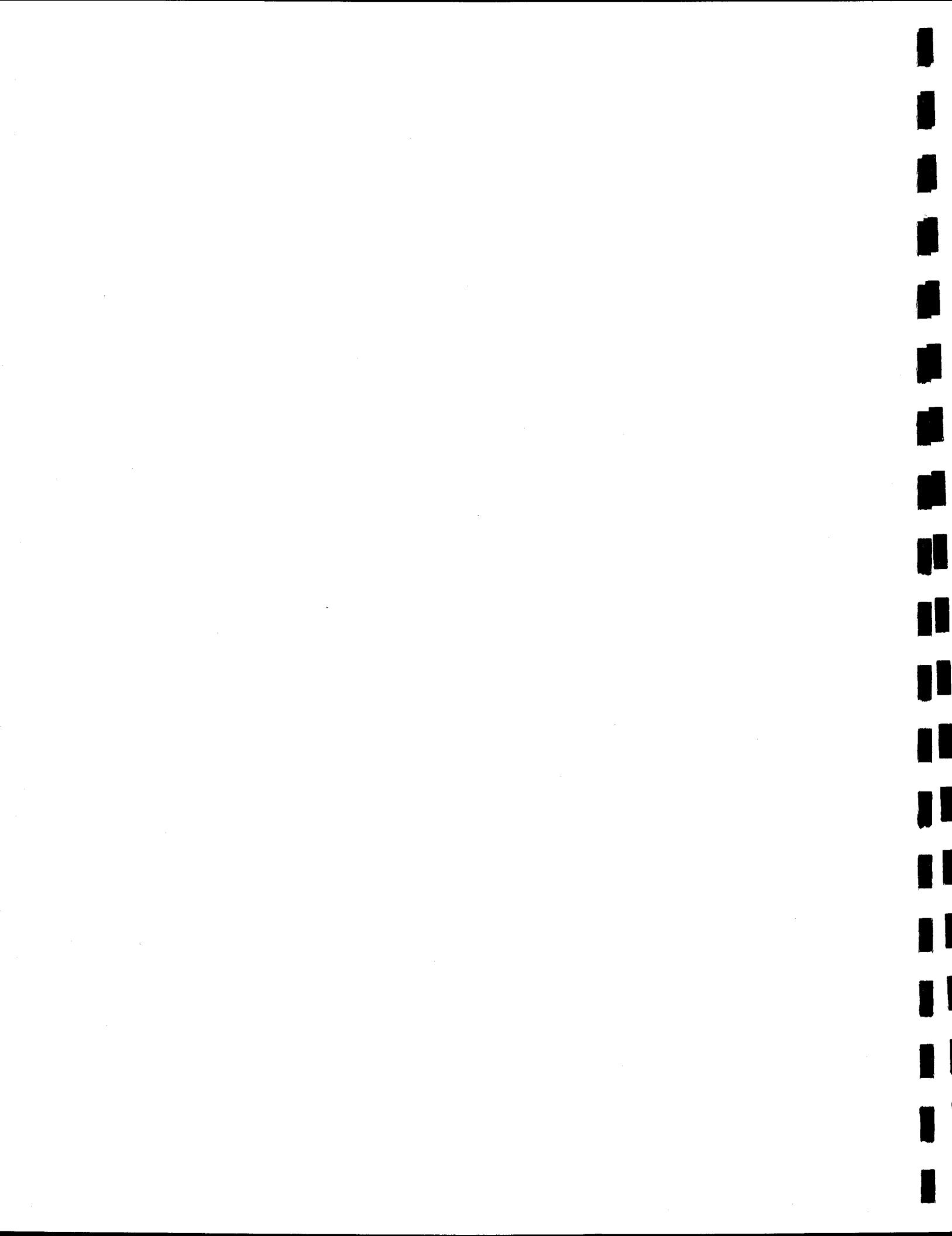
If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> <input type="radio"/>	HCL <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> <input type="radio"/>	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO <sub>3</sub> <input checked="" type="radio"/> N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> <input type="radio"/>	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/> N	Sample volume _____	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> N
If a preservative is used, Specify Type and Quantity of Preservative: _____ _____				

Comments \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Duplicate of TW4-1S



Mill - Groundwater Discharge Permit  
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**ATTACHMENT 1**  
**WHITE MESA URANIUM MILL**  
**FIELD DATA WORKSHEET FOR GROUND WATER**

Description of Sampling Event: 2nd Quarter Chloroform

Location (well name) TW4-65 Sampler Charles Orvin  
Name and initials

Date and Time for Purging 6/27/07 and Sampling (if different) \_\_\_\_\_

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) \_\_\_\_\_

Sampling Event Chloroform Prev. Well Sampled in Sampling Event \_\_\_\_\_

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance \_\_\_\_\_ uMHOS/cm Well Depth \_\_\_\_\_

Depth to Water Before Purging \_\_\_\_\_ Casing Volume (V) 4" Well: \_\_\_\_\_ (.653h)  
3" Well: \_\_\_\_\_ (.367h)

Conductance (avg) \_\_\_\_\_ pH of Water (avg) \_\_\_\_\_

Well Water Temp. (avg) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_ Turbidity \_\_\_\_\_

Weather Cond. \_\_\_\_\_ Ext'l Amb. Temp.(prior to sampling event) \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Turbidity \_\_\_\_\_ Turbidity \_\_\_\_\_

Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_ Time: \_\_\_\_\_ Gal. Purged \_\_\_\_\_

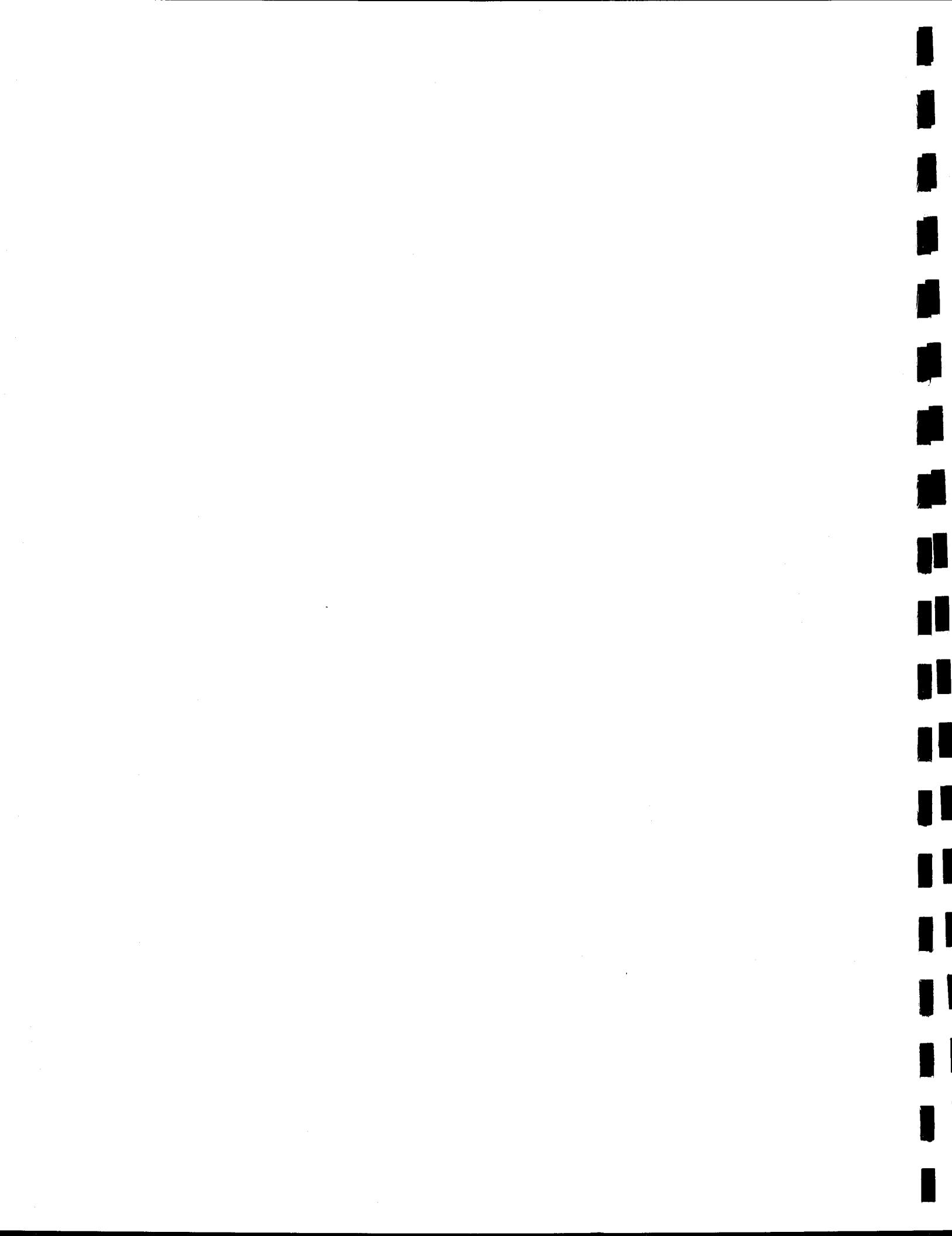
Conductance \_\_\_\_\_ Conductance \_\_\_\_\_

pH \_\_\_\_\_ pH \_\_\_\_\_

Temperature \_\_\_\_\_ Temperature \_\_\_\_\_

Redox Potential (Eh) \_\_\_\_\_ Redox Potential (Eh) \_\_\_\_\_

Duplicate of TW4-20



Mill - Groundwater Discharge Permit      Date: 11.17.06 Revision: 1  
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Turbidity \_\_\_\_\_

Turbidity \_\_\_\_\_

Volume of Water Purged When Field Parameters are Measured \_\_\_\_\_

Pumping Rate Calculation

Flow Rate (Q), in gpm.  
 $S/60 = \frac{\text{Flow Rate}}{\text{Time}}$  \_\_\_\_\_

Time to evacuate two casing volumes (2V)  
 $T = 2V/Q = \frac{\text{Casing Volume}}{\text{Flow Rate}}$  \_\_\_\_\_

Number of casing volumes evacuated (if other than two) \_\_\_\_\_

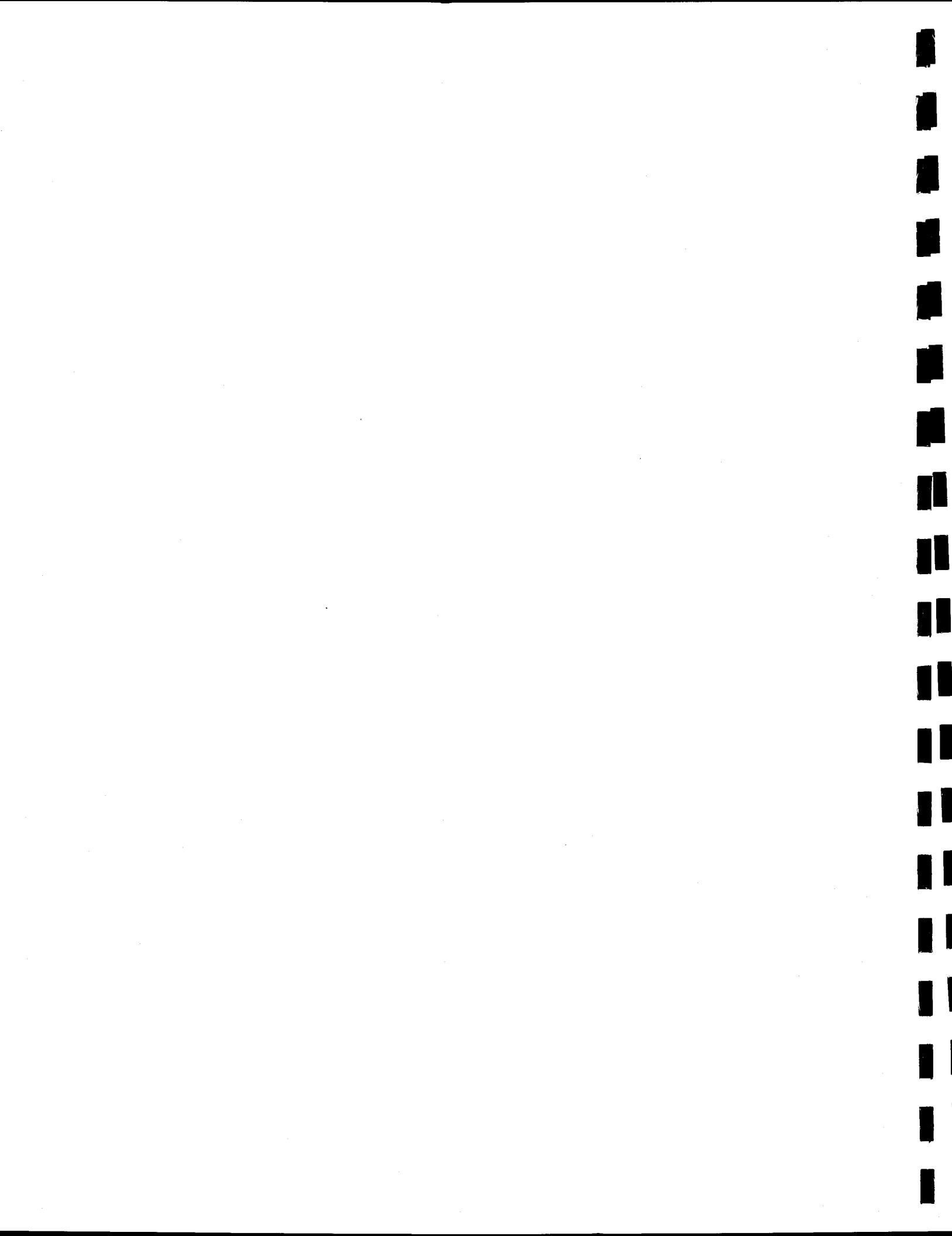
If well evacuated to dryness, number of gallons evacuated \_\_\_\_\_

Name of Certified Analytical Laboratory if Other Than Energy Labs \_\_\_\_\_

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> Y <input type="radio"/> N	3x40 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	HCL <input checked="" type="radio"/> Y <input type="radio"/> N
Nutrients	<input checked="" type="radio"/> Y <input type="radio"/> N	100 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> Y <input type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> Y <input type="radio"/> N	250 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	HNO <sub>3</sub> <input checked="" type="radio"/> Y <input type="radio"/> N
All Other Non-Radiologics	<input checked="" type="radio"/> Y <input type="radio"/> N	250 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> Y <input type="radio"/> N	1,000 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	H <sub>2</sub> SO <sub>4</sub> <input checked="" type="radio"/> Y <input type="radio"/> N
Other (specify)	<input checked="" type="radio"/> Y <input type="radio"/> N	Sample volume _____	<input checked="" type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N
				If a preservative is used, Specify Type and Quantity of Preservative: _____ _____ _____ _____

Comments \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Duplicate TW4-2D



mm Hg 621.03

682111

mm Hg 619.50

680289

mm Hg (e19.50)e

6766640

mmHg 621.79

667582

618.74 mmHg

665384

616.45 mm Hg

653578

621.03 mm Hg

662304

624.07 mmHg

659763

*As of Monday May 7<sup>th</sup>, MW4-15 and MW4-19 were taken off line. The boxes surrounding these two wells have been removed and the pumps have been pulled for maintenance. These two monitor wells will be back on line ASAP.*

Charles Orvin.

618.74 mm Hg

Date	Depth to Water		
	Time	Well	Depth
5/2/07	1215	MW-4	74.17
	1211	TW4-A	71.21
	1216	TW4-1	64.51
	1205	TW4-2	72.66
	1157	TW4-3	49.29
	1325	TW4-4	66.95
	1202	TW4-5	55.5
	1328	TW4-6	74.74
	1209	TW4-7	71.38
	1220	TW4-8	71.02
	1159	TW4-9	53.53
	1405	TW4-10	65.40
	1402	TW4-11	65.78
	1346	TW4-12	35.70
	1335	TW4-13	49.31
	1333	TW4-14	90.30
	1408	TW4-15	76.91
	1358	TW4-16	62.19
	1356	TW4-17	78.68
	1416	TW4-18	56.13
	1423	TW4-19	86.84
	1410	TW4-20	78.95
	1419	TW4-21	61.28
	1430	TW4-22	58.25
	1435	TW4-23	69.03
	1442	TW4-25	49.42

mmHg 620.26

1,50538

615.96 mm Hg

Water meter: 640598

616.45 mm Hg

Date	Depth to Water			
	Time	Well	Depth	
4/18/07	0909	MW-4	74.91	
	0906	TW4-A	74.36	Flow
	0902	TW4-1	64.42	Meter
	0850	TW4-2	72.54	
	0944	TW4-3	47.19	
	0841	TW4-4	66.90	Flow
	0954	TW4-5	55.46	Meter
	0839	TW4-6	74.72	
	0857	TW4-7	71.42	
	0913	TW4-8	70.88	Flow
	0950	TW4-9	53.42	Meter
	0957	TW4-10	56.27	
	1001	TW4-11	65.76	
	0921	TW4-12	35.56	Flow
	0927	TW4-13	49.80	Meter
	0933	TW4-14	90.32	
	1021	TW4-15	95.65 98.65	
	1025	TW4-16	62.04	
	1015	TW4-17	78.53	
	1034	TW4-18	56.03	
	1054	TW4-19	88.00	
	1049	TW4-20	71.60	
	1036	TW4-21	61.33	
	1044	TW4-22	58.10	

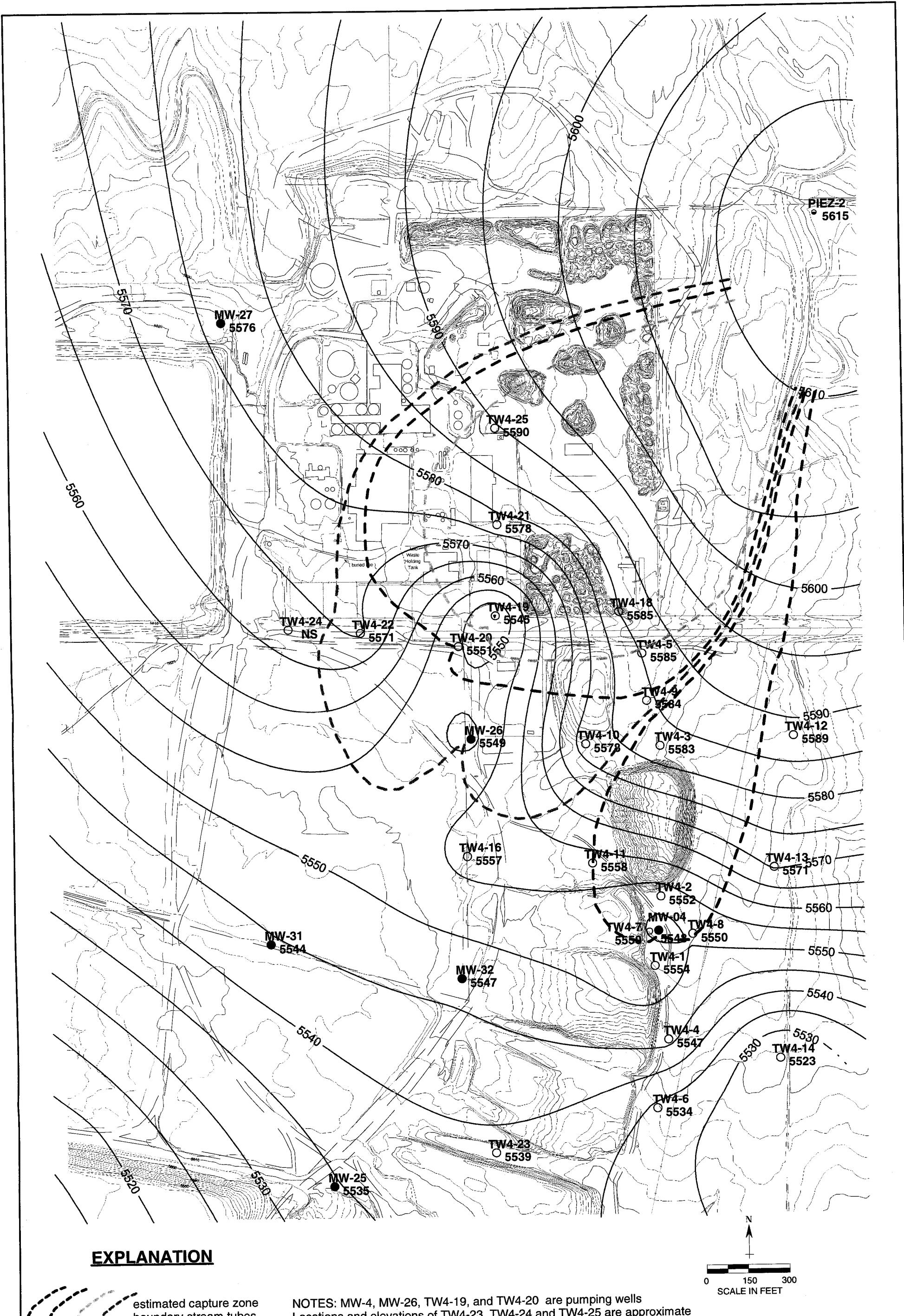
616.45 mm Hg

629958

mm Hg 615.69

623414

mmHg 617.98



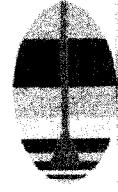
### EXPLANATION

estimated capture zone boundary stream tubes resulting from pumping

TW4-4 (5547) temporary perched monitoring well showing elevation in feet amsl

MW-32 (5547) perched monitoring well showing elevation in feet amsl

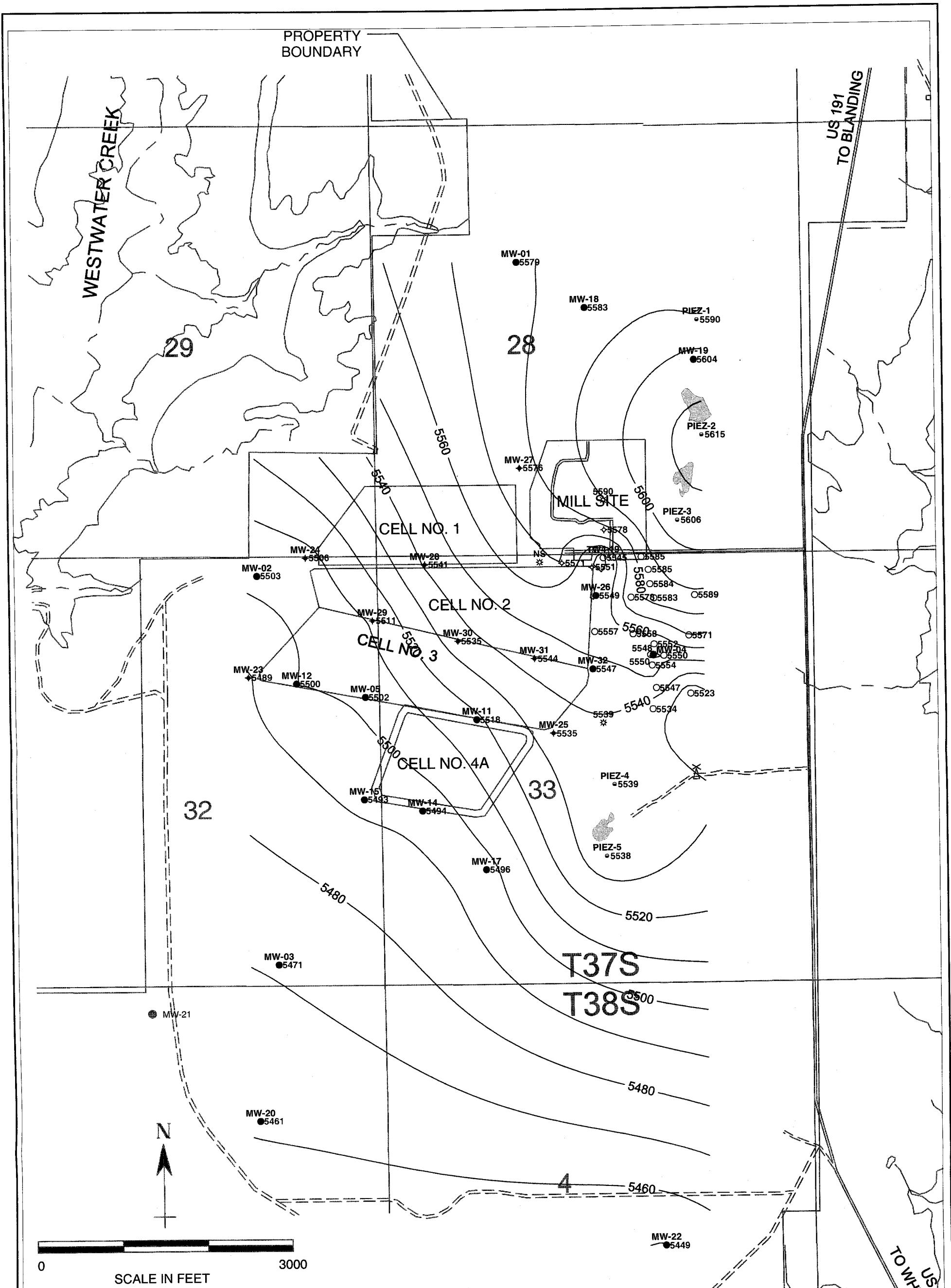
NOTES: MW-4, MW-26, TW4-19, and TW4-20 are pumping wells  
Locations and elevations of TW4-23, TW4-24 and TW4-25 are approximate



**HYDRO  
GEO  
CHEM, INC.**

### KRIGED 2nd QUARTER, 2007 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE (detail map)

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug07/wl0607cz.srf	



## EXPLANATION

MW-20 perched monitoring well showing  
elevation in feet amsl  
● 5461 temporary perched monitoring well

O 5550 temporary perched monitoring well  
PIEZ-1 showing elevation in feet amsl  
perched piezometer showing

MW-31 perched monitoring well installed April, 1991  
showing elevation in feet amsl

- 5544 showing elevation in feet amsl
- 5571 temporary perched monitoring well installed April, 2005 showing elevation in feet amsl
- 5539 temporary perched monitoring well installed May, 2007 showing approximate elevation in feet amsl

**NOTES:** Locations and elevations for TW4-23, TW4-24, and TW4-25 are approximate;  
Water levels for all MW-series wells except MW-4, -17, -20, -22, -23, -24, -25, -28, and -32 are from Q1, 2007

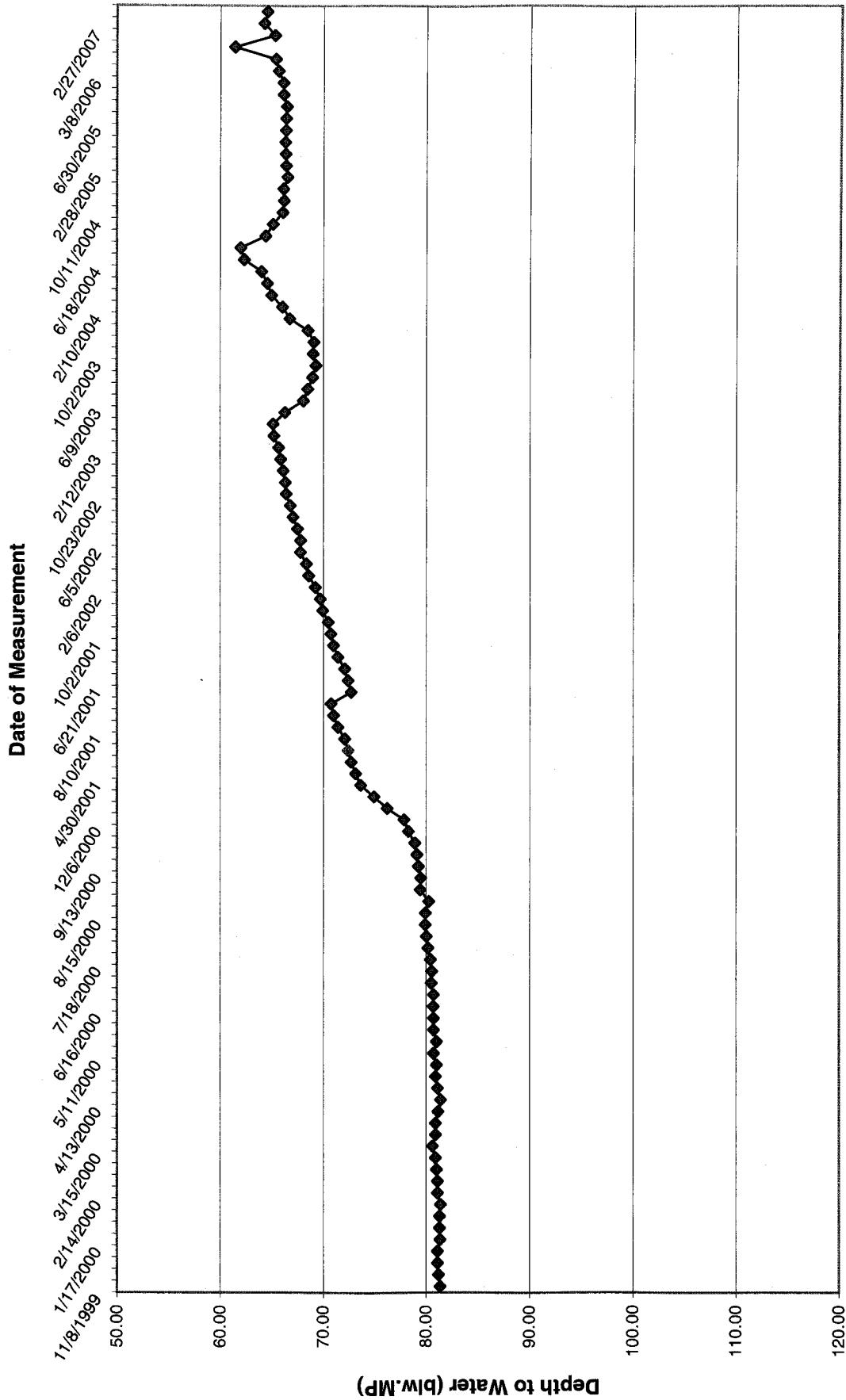


**HYDRO  
GEO  
CHEM, INC.**

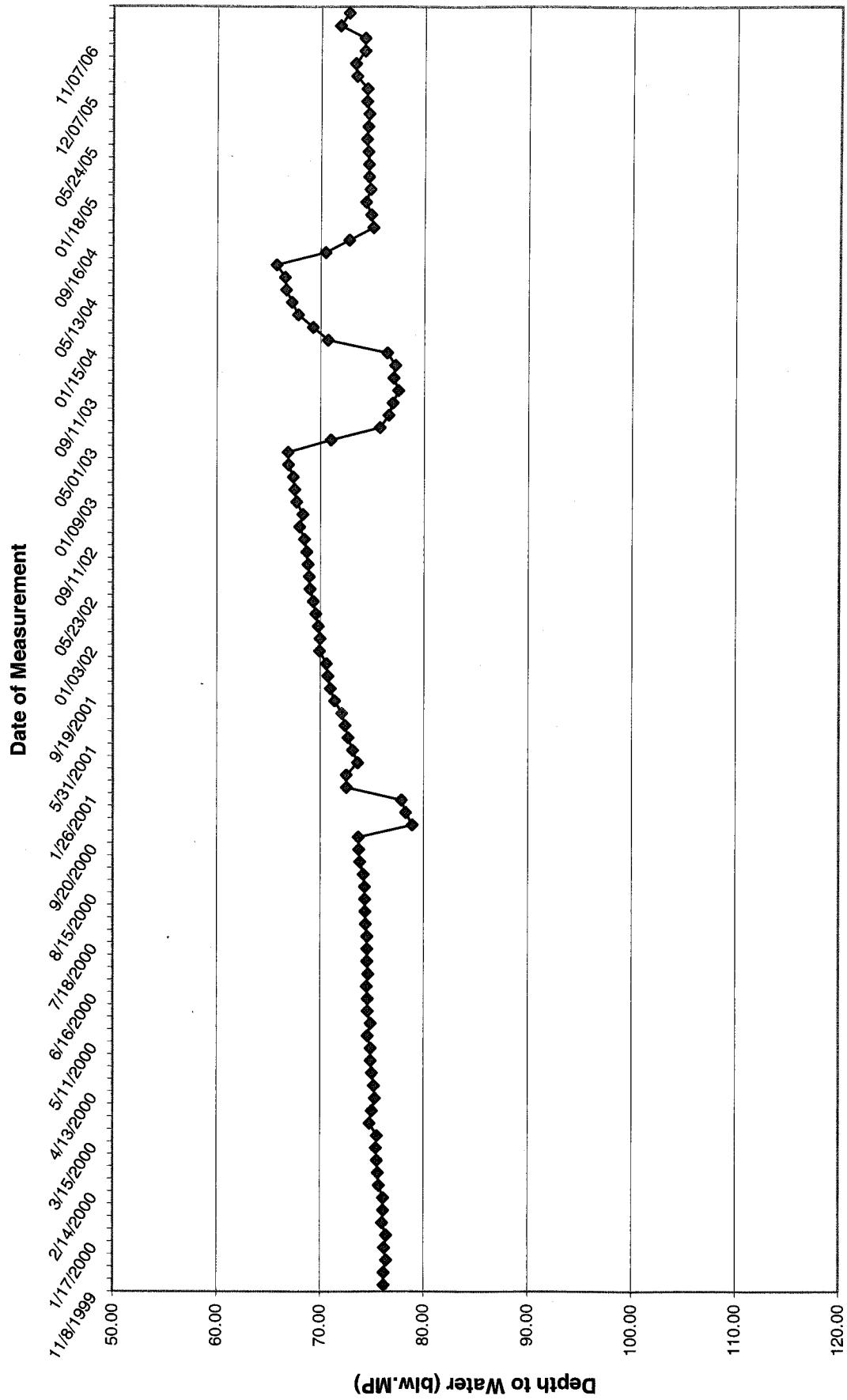
# KRIGED 2nd QUARTER, 2007 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug07/wl0607.srf	

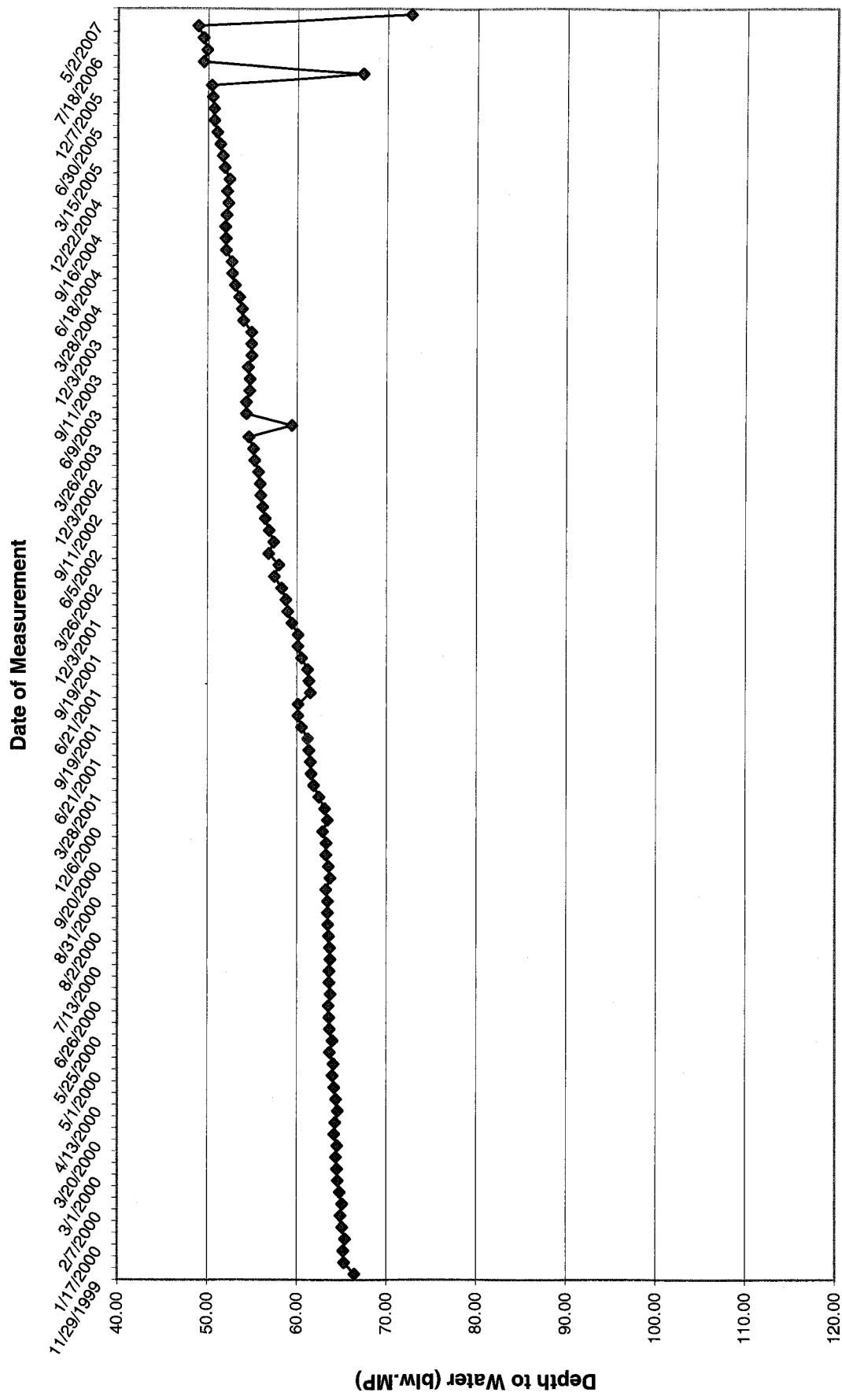
## White Mesa Mill Temporary Well (4-1) Water Level Over Time



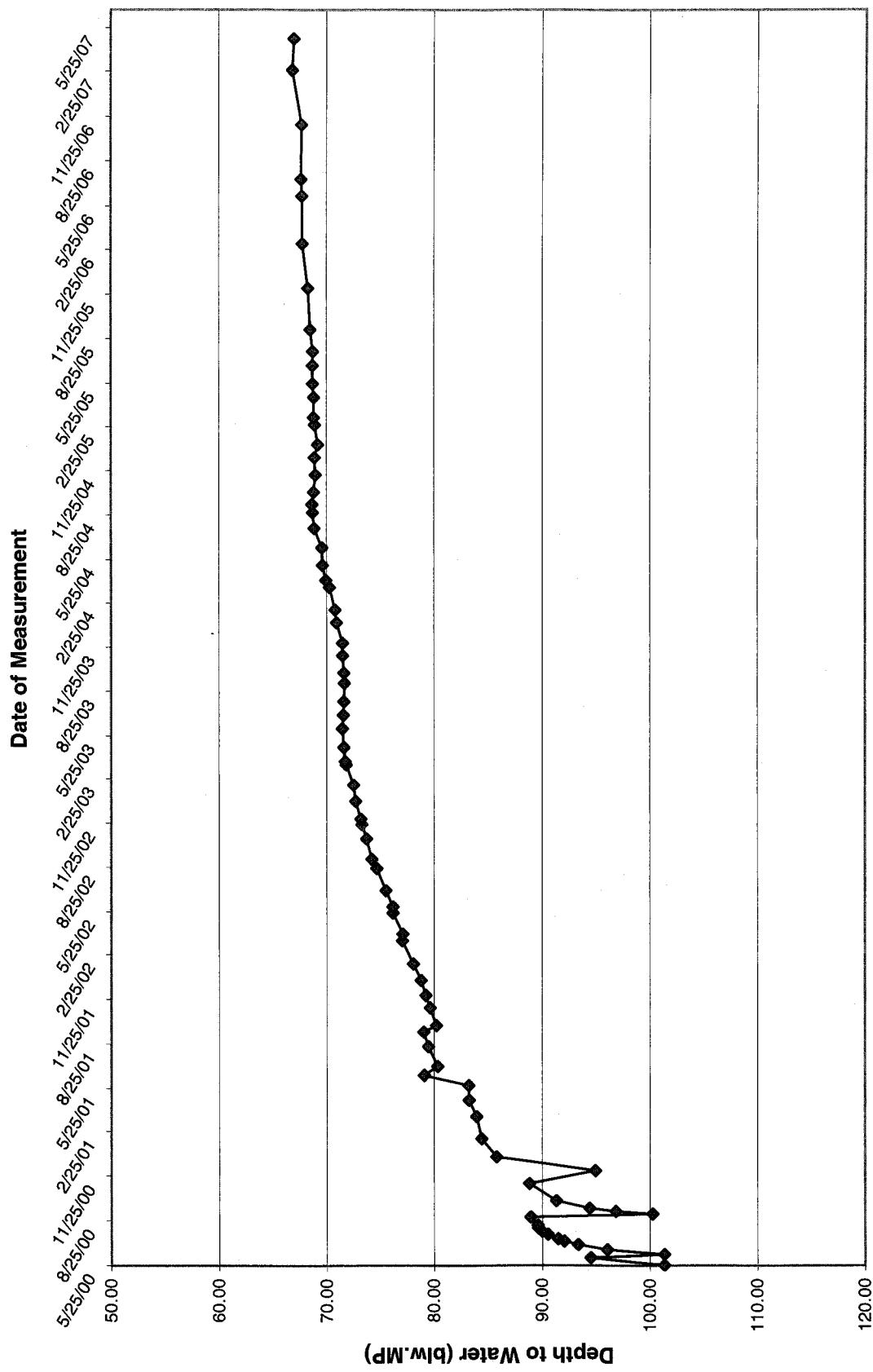
## White Mesa Mill Temporary Well (4-2) Water Level Over Time



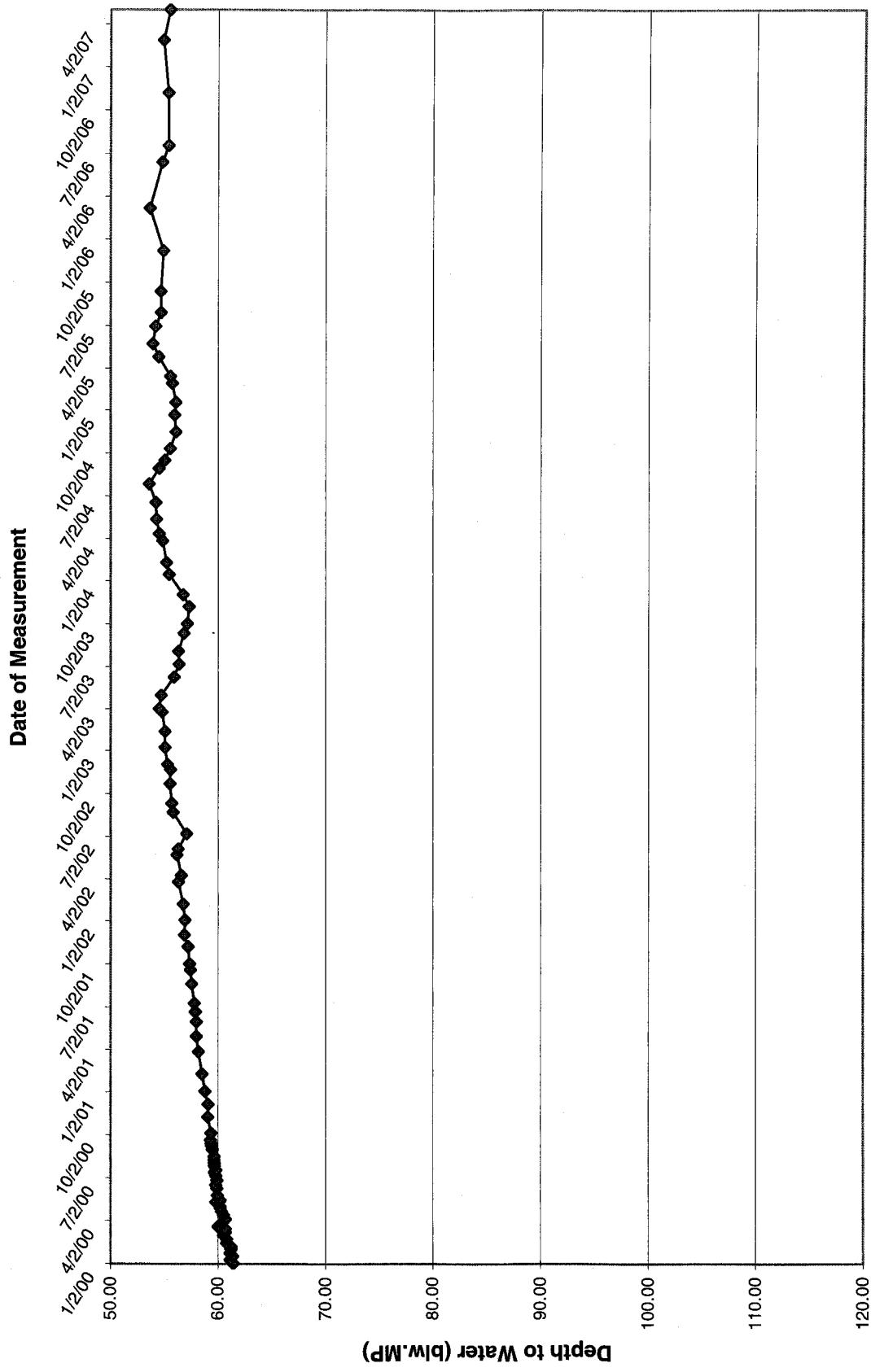
## White Mesa Mill Temporary Well (4-3) Water Level Over Time



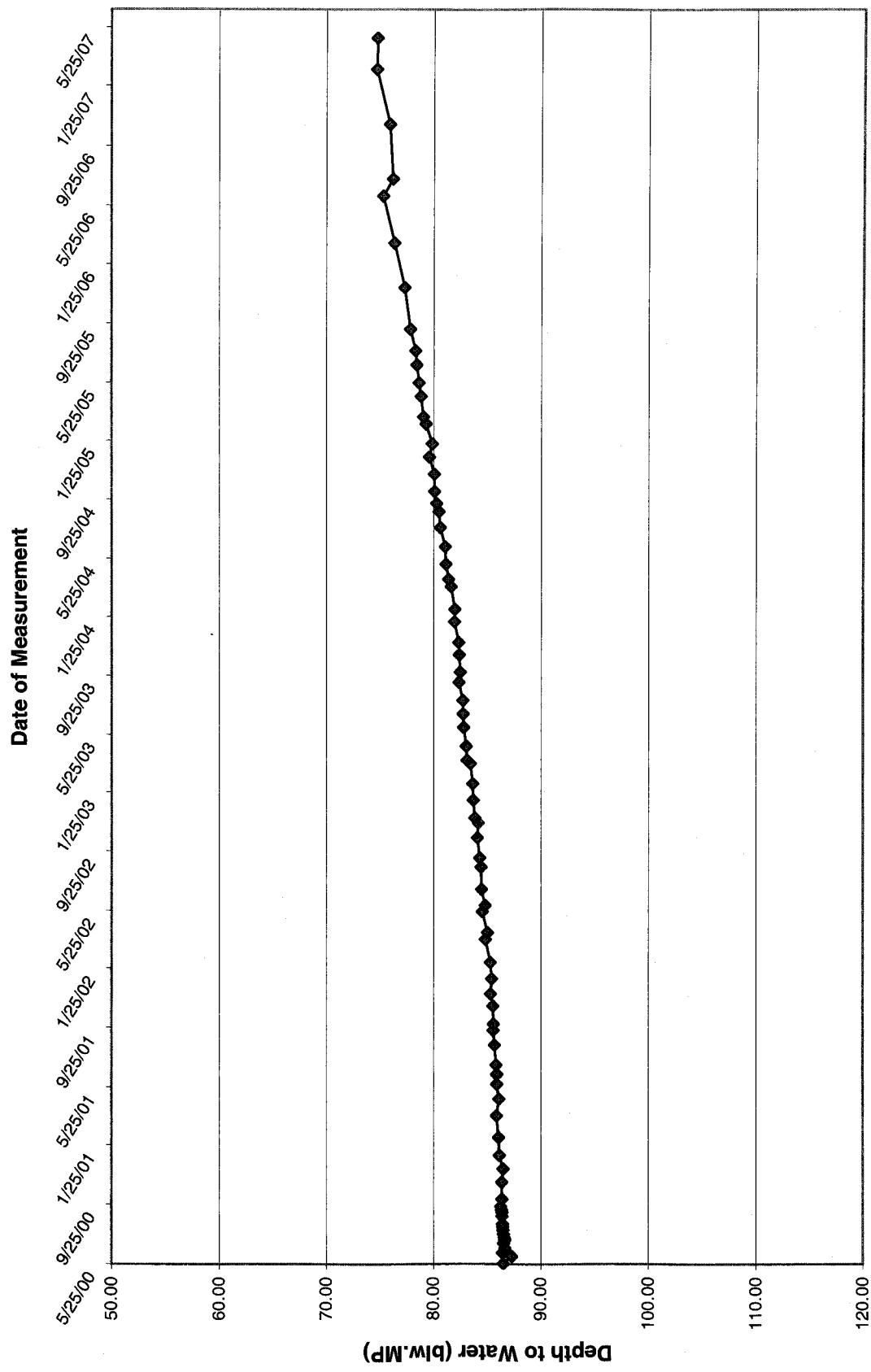
## White Mesa Mill Temporary Well (4-4) Water Level Over Time



## White Mesa Mill Temporary Well (4-5) Water Level Over Time

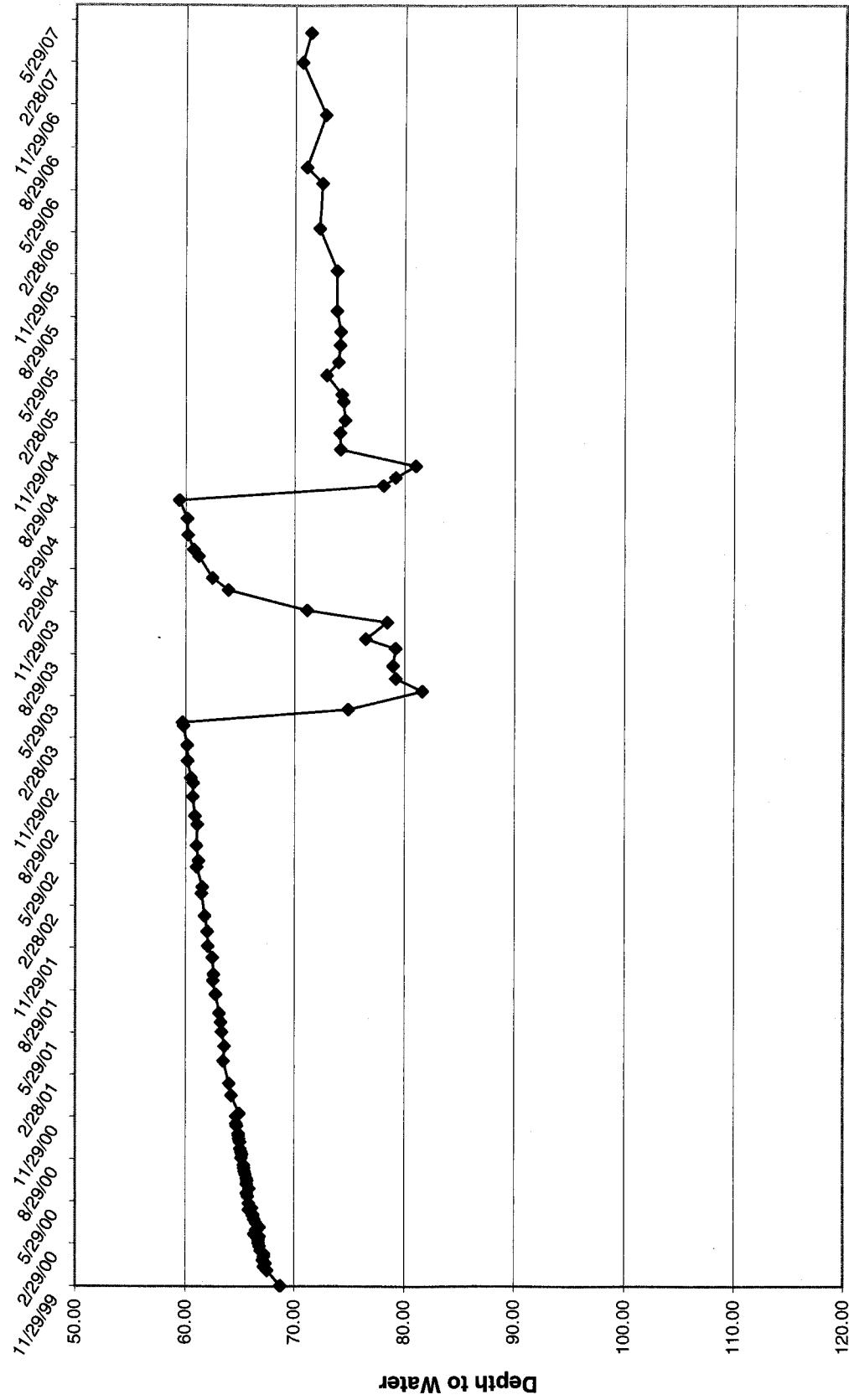


## White Mesa Mill Temporary Well (4-6) Water Level Over Time

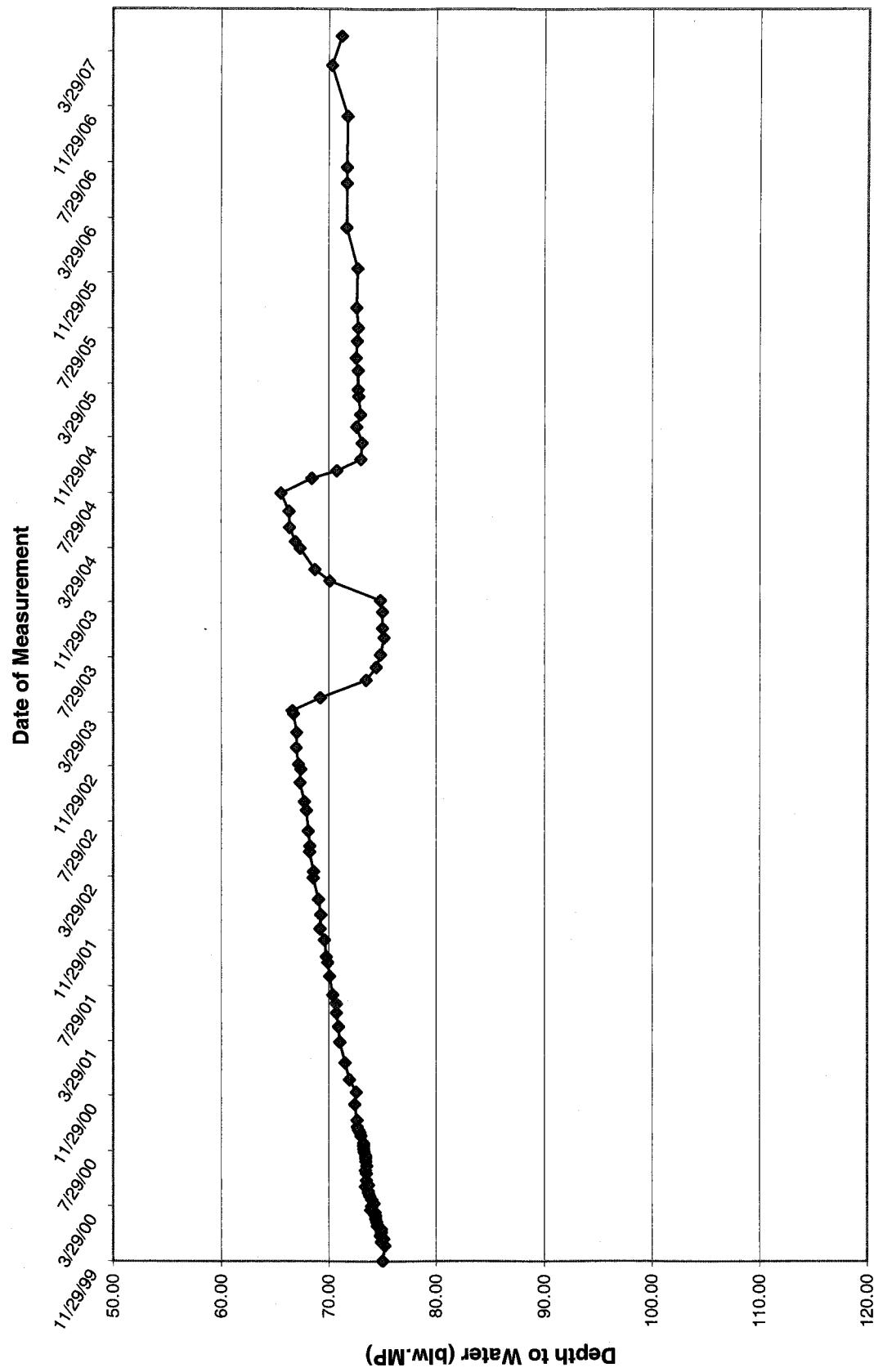


## White Mesa Mill Temporary Well (4-7) Water Level Over Time

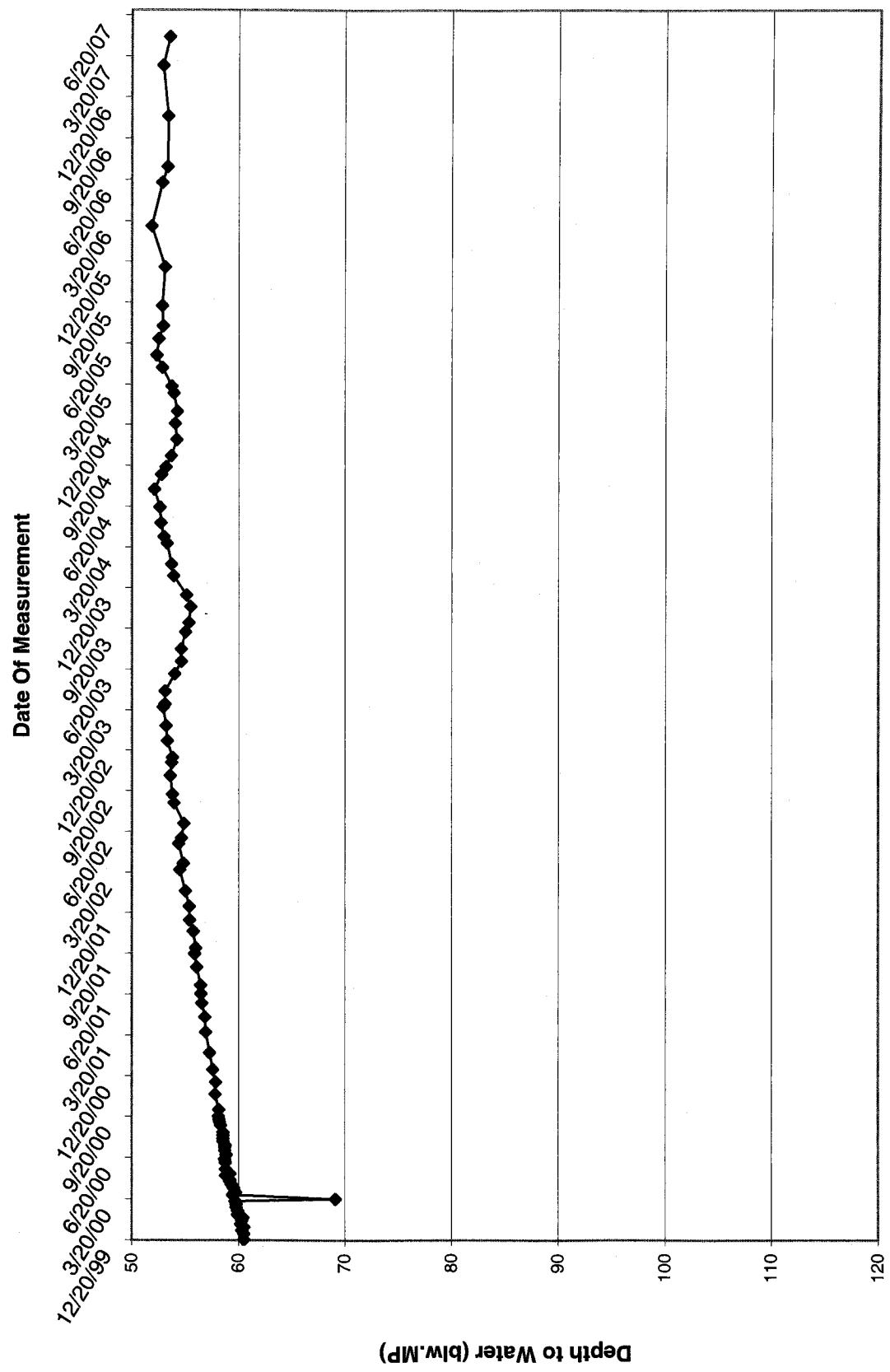
Date of Measurement



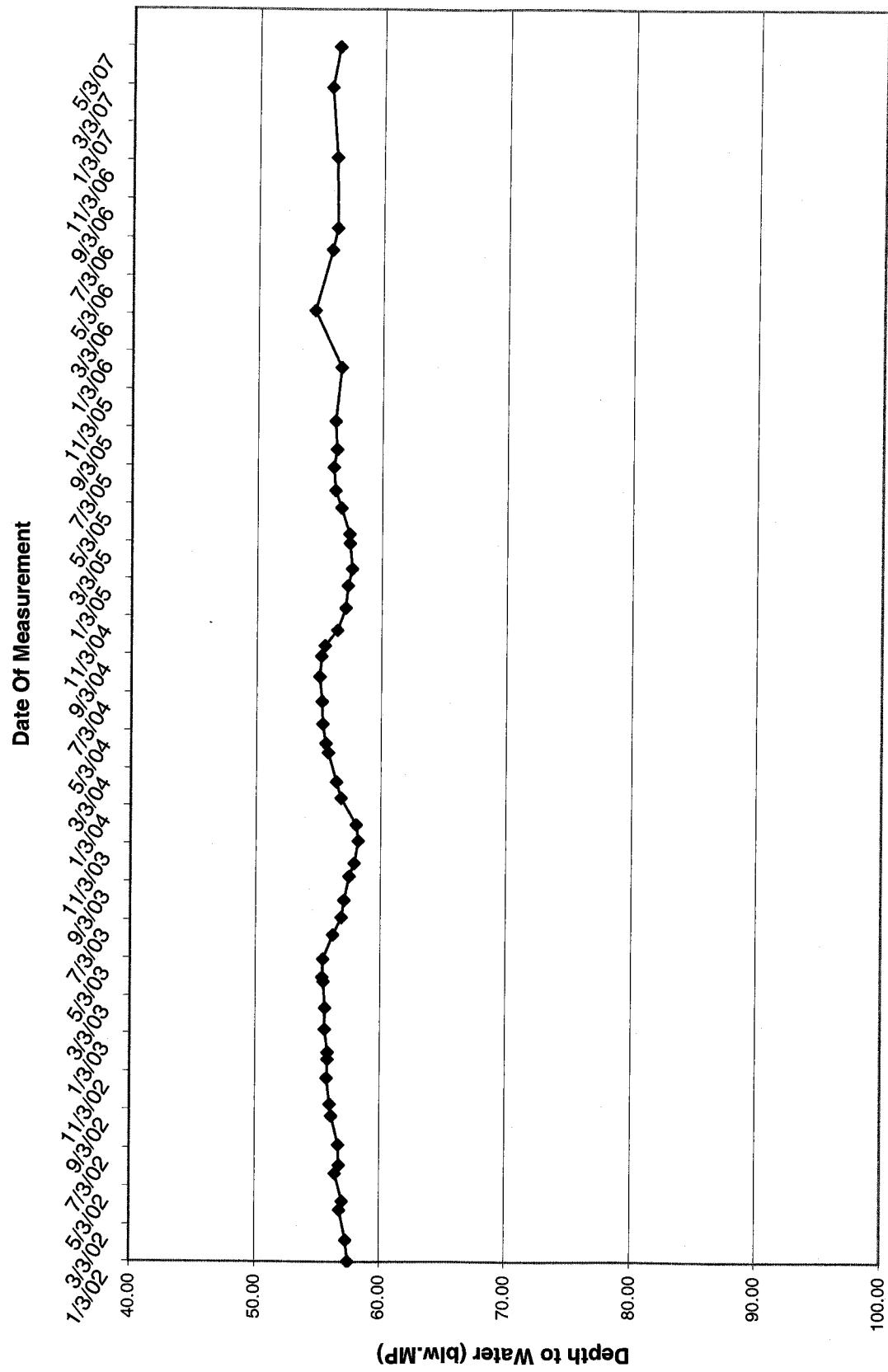
## White Mesa Mill Temporary Well (4-8) Water Level Over Time



## White Mesa Temporary Well (4-9) Over Time

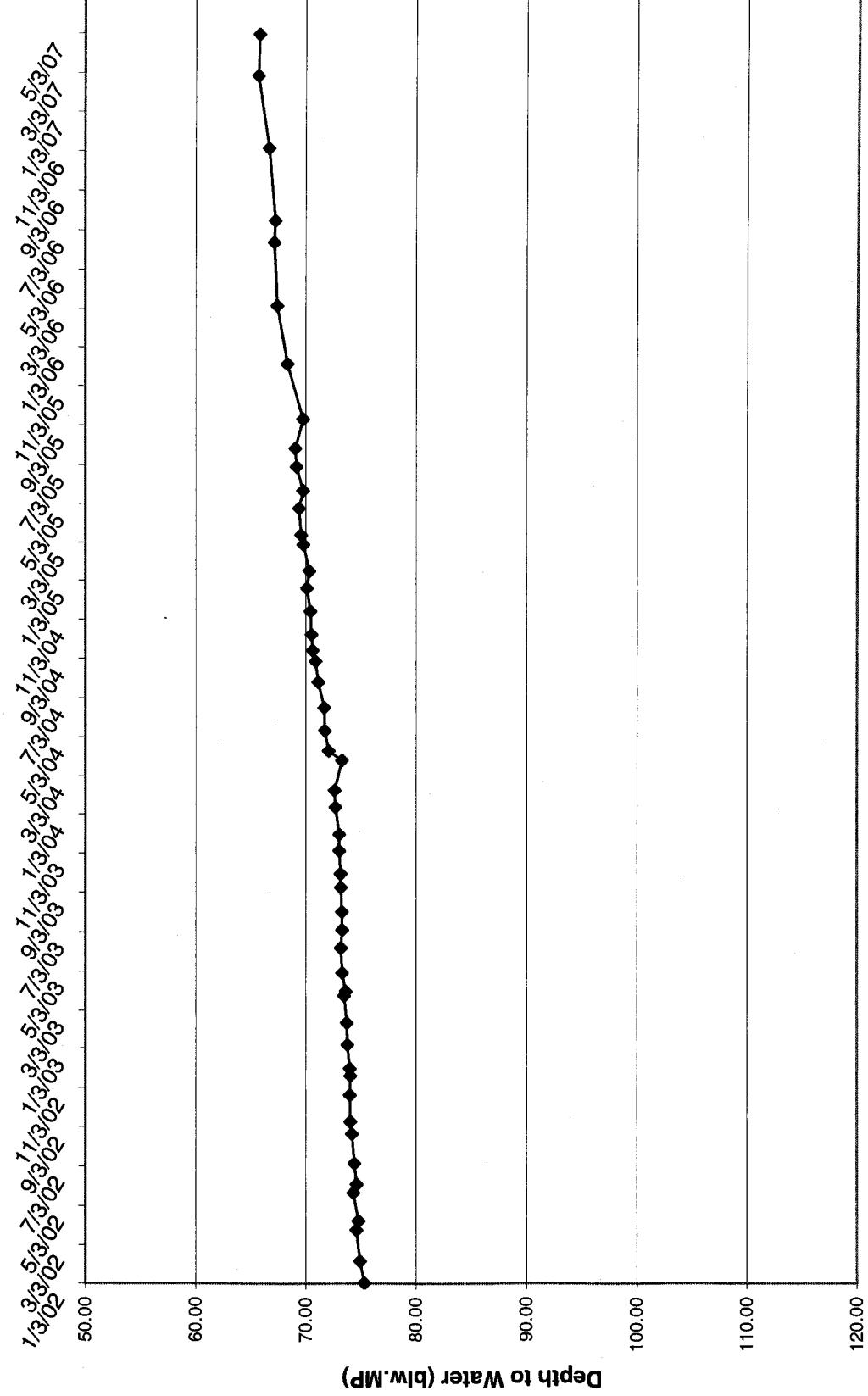


### White Mesa Temporary Well (4-10) Over Time

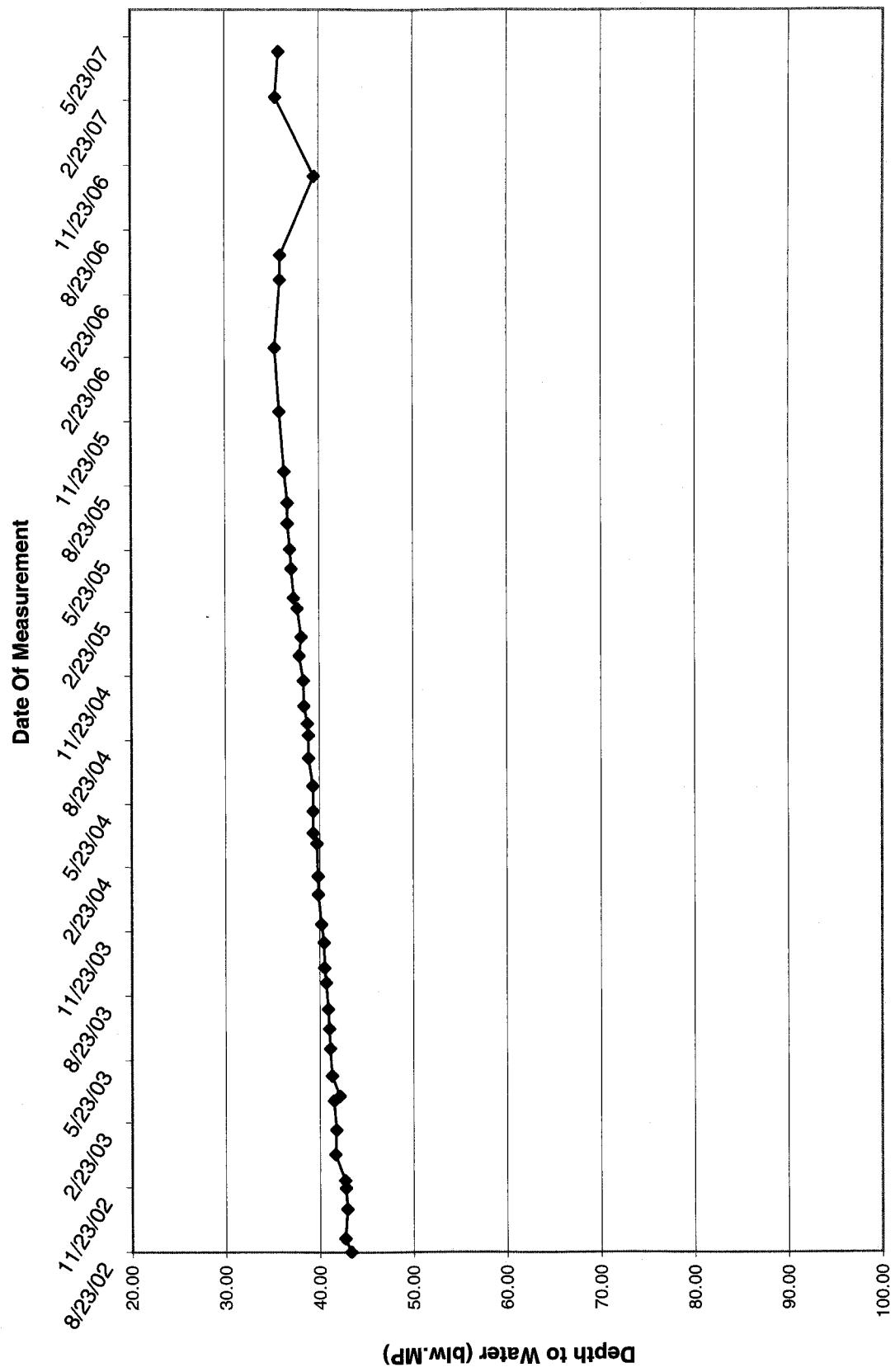


### White Mesa Temporary Well (4-11) Over Time

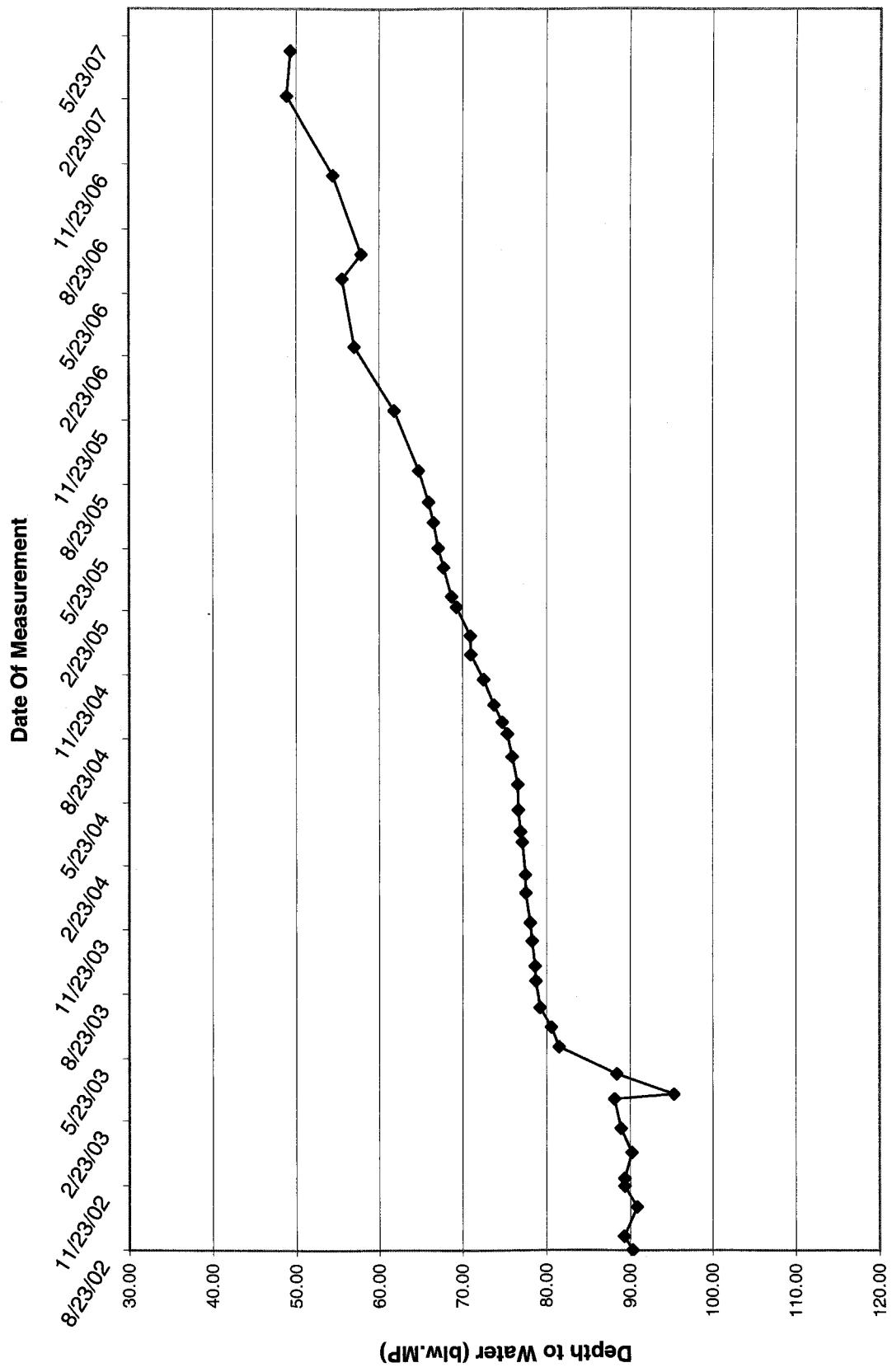
Date Of Measurement



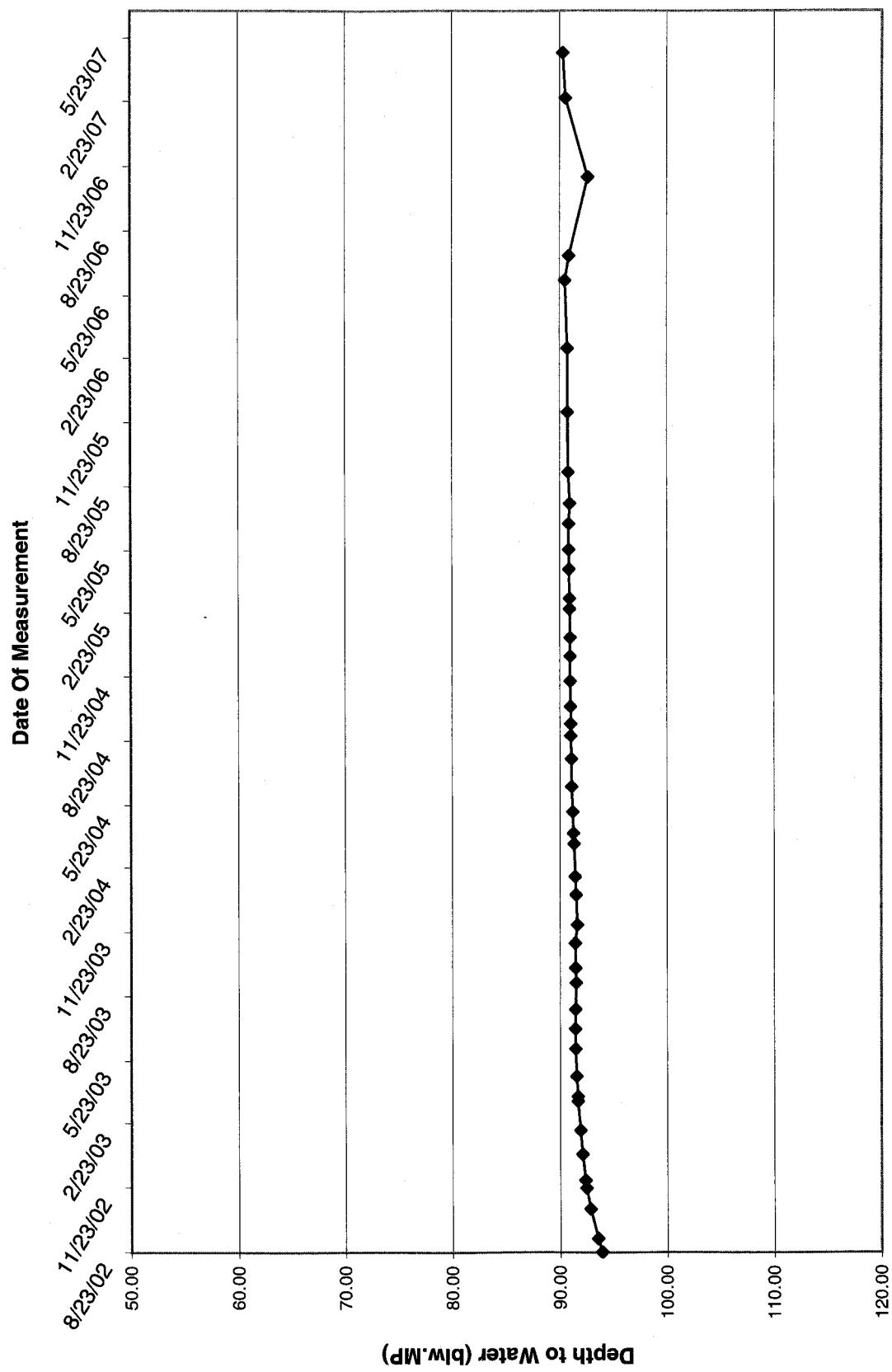
### White Mesa Temporary Well (4-12) Over Time



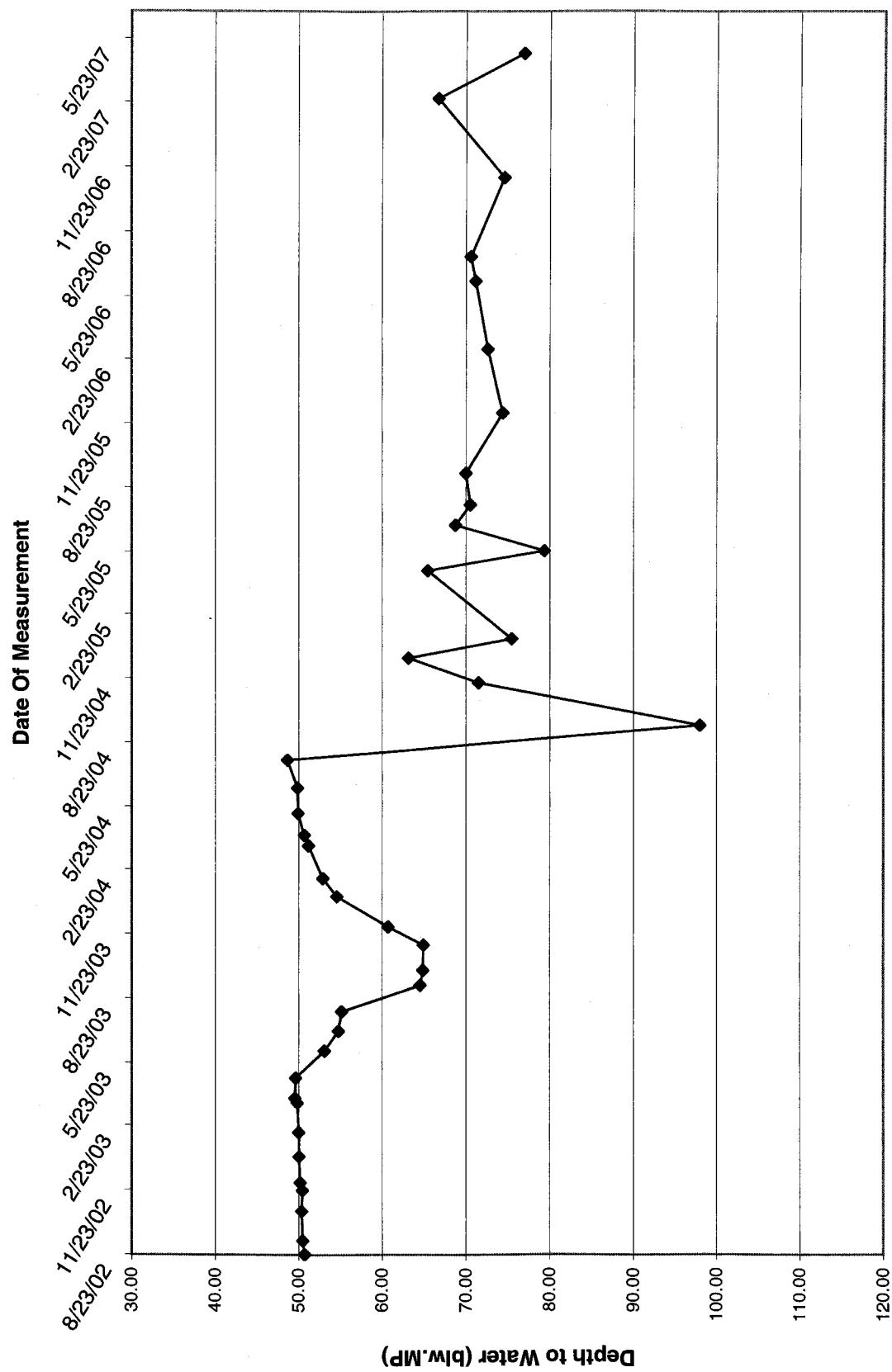
### White Mesa Temporary Well (4-13) Over Time



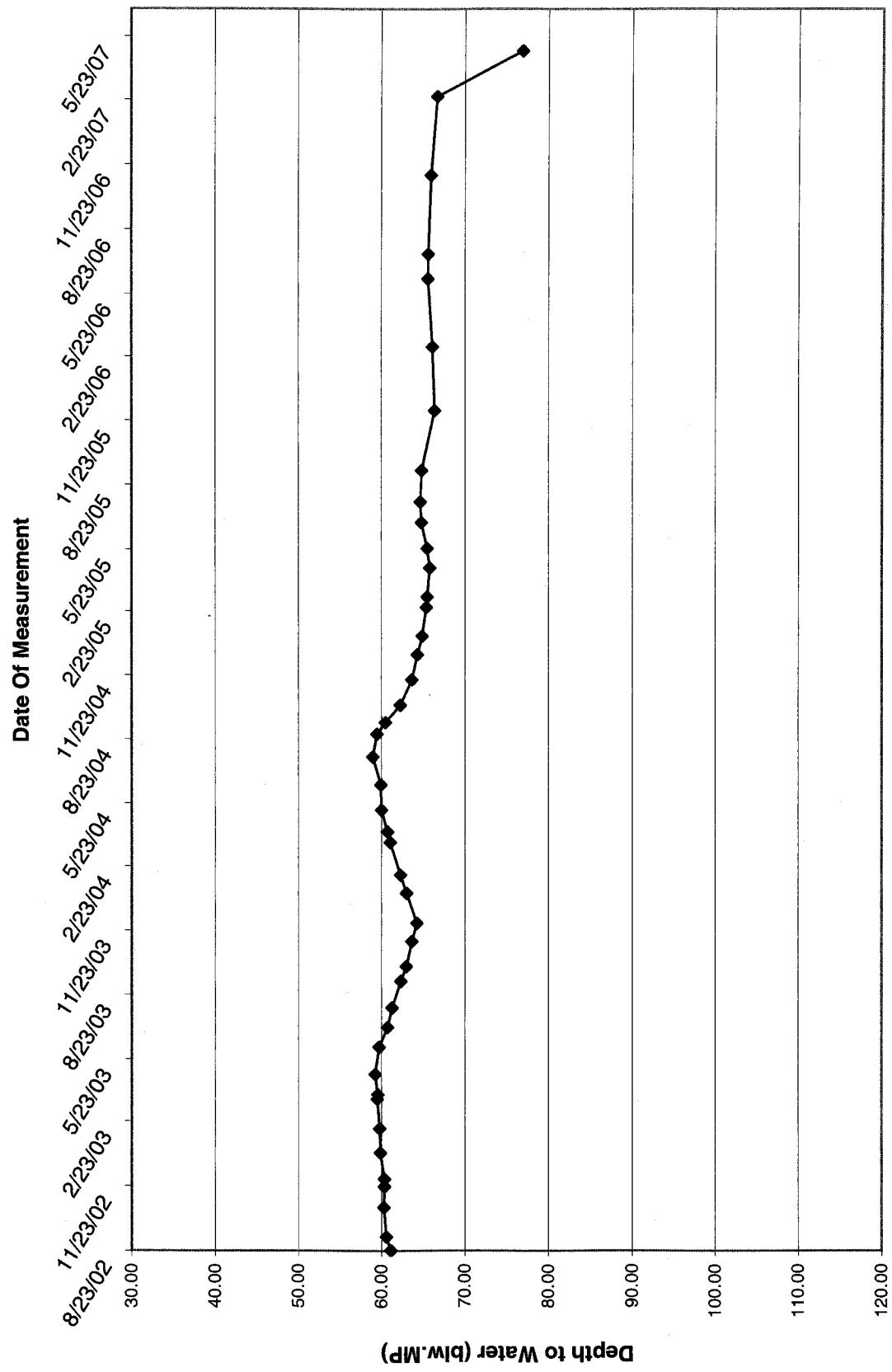
### White Mesa Temporary Well (4-14) Over Time



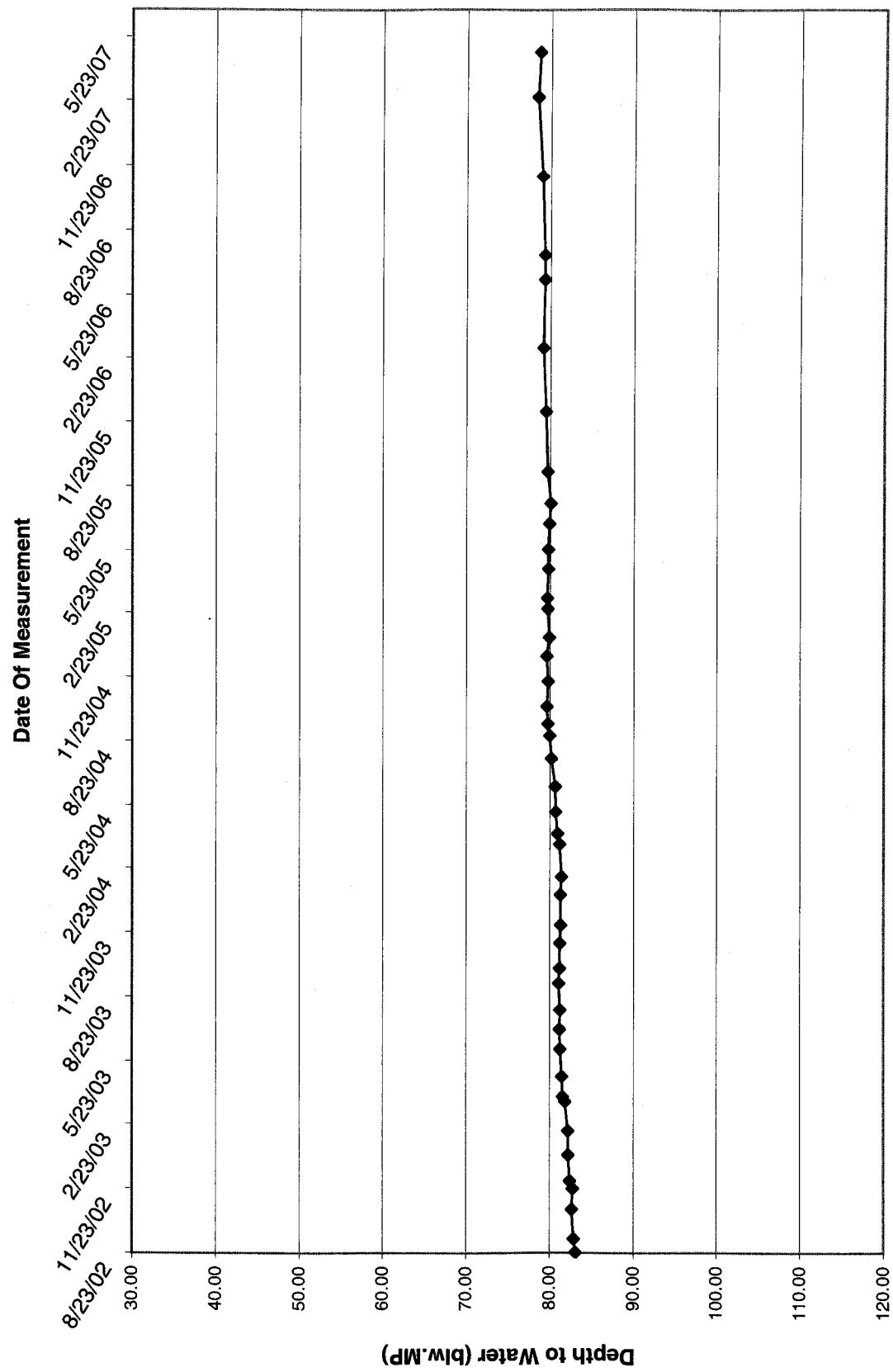
### White Mesa Temporary Well (4-15) (MW-26) Over Time



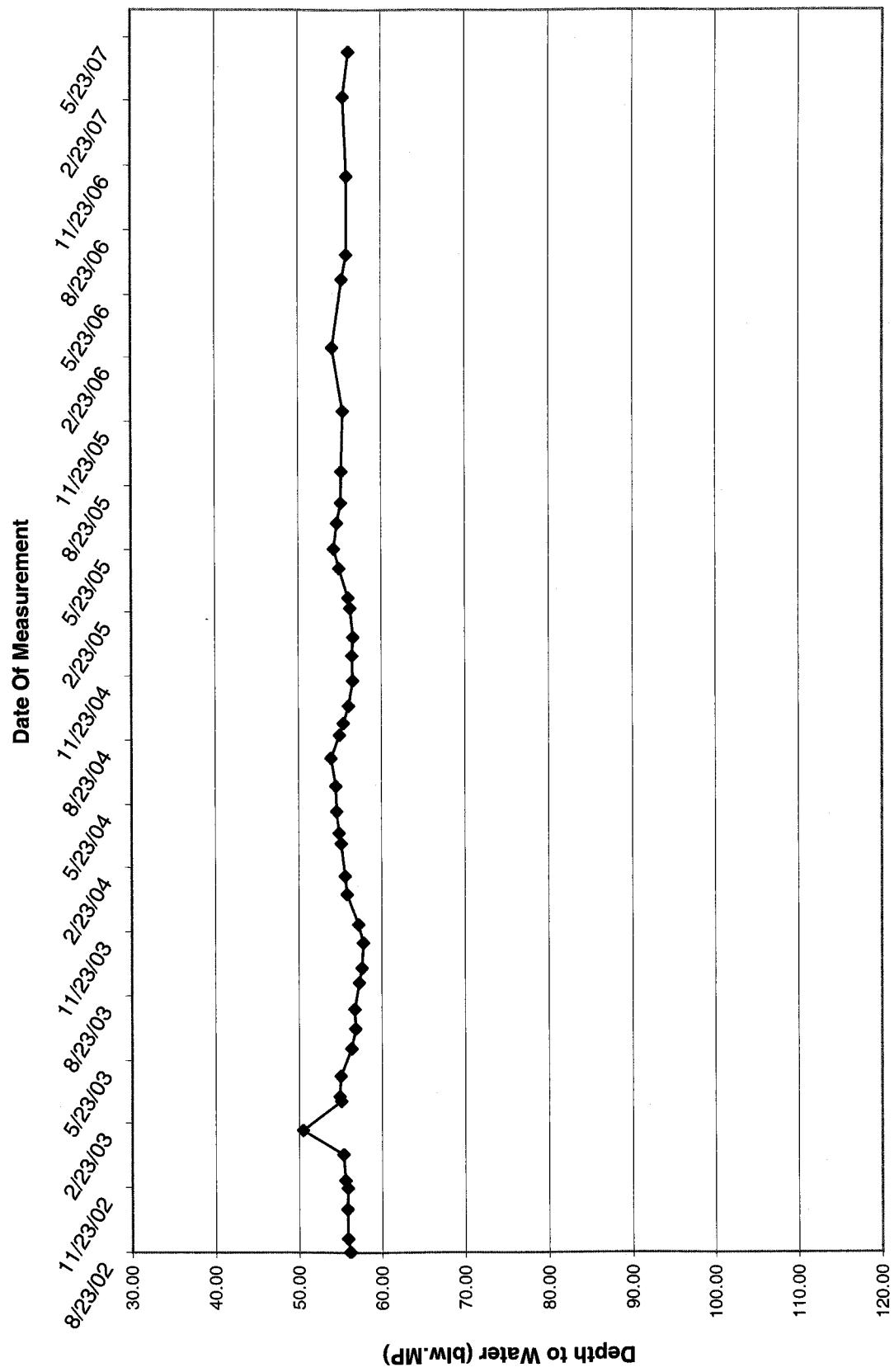
### White Mesa Temporary Well (4-16) Over Time



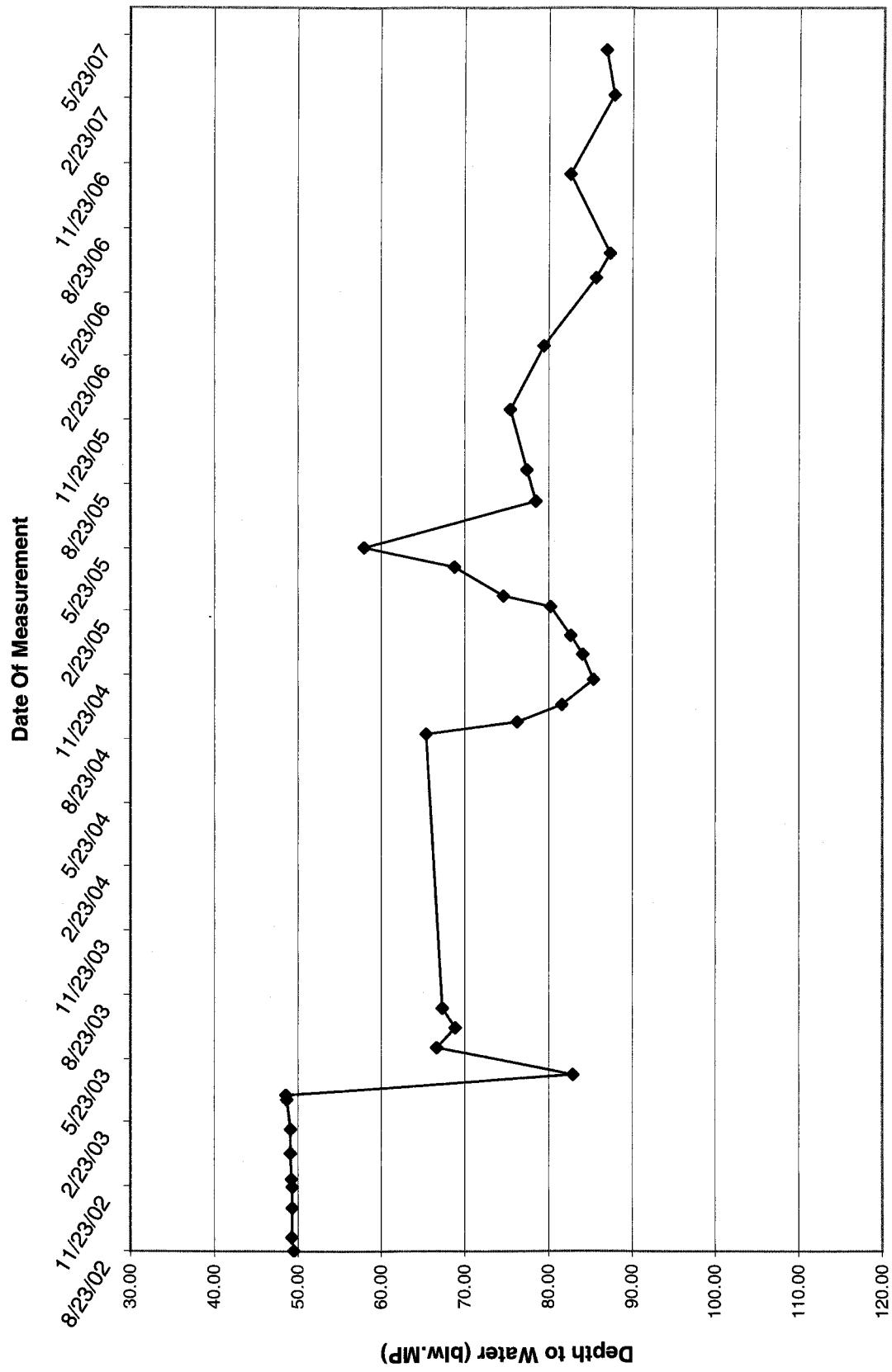
**White Mesa Temporary Well (4-17) (MW-32) Over Time**



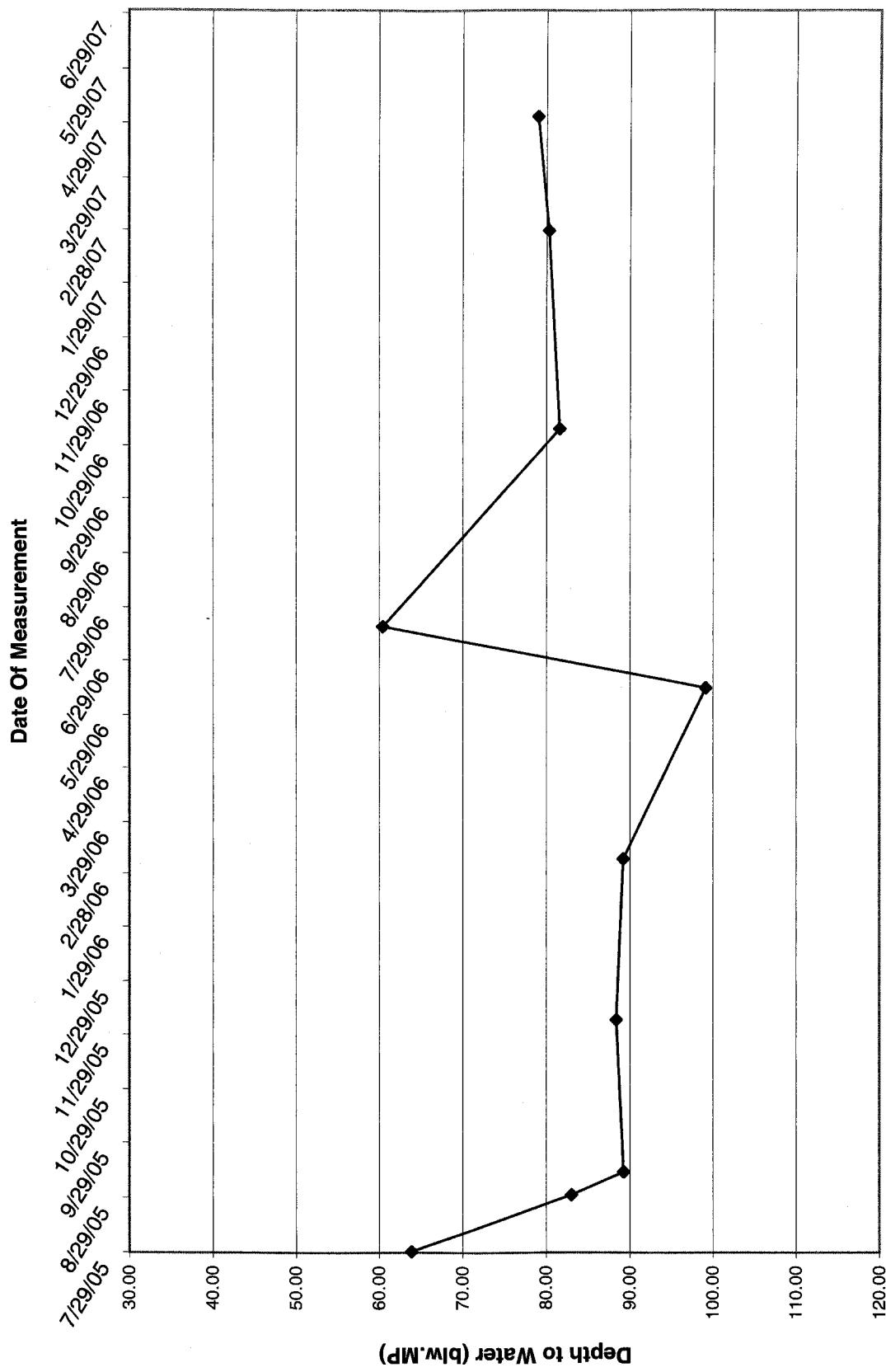
### White Mesa Temporary Well (4-18) Over Time



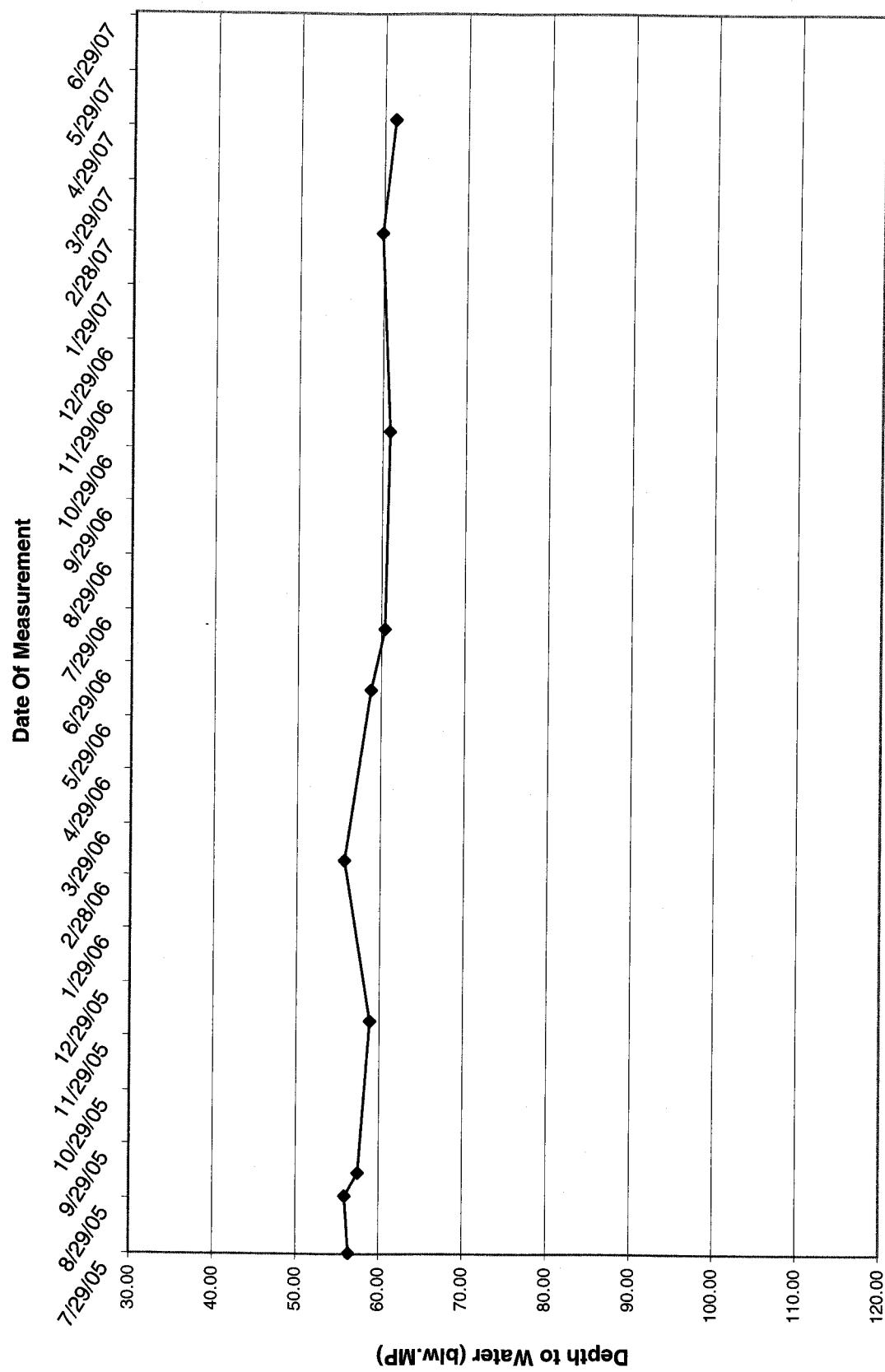
### White Mesa Temporary Well (4-19) Over Time



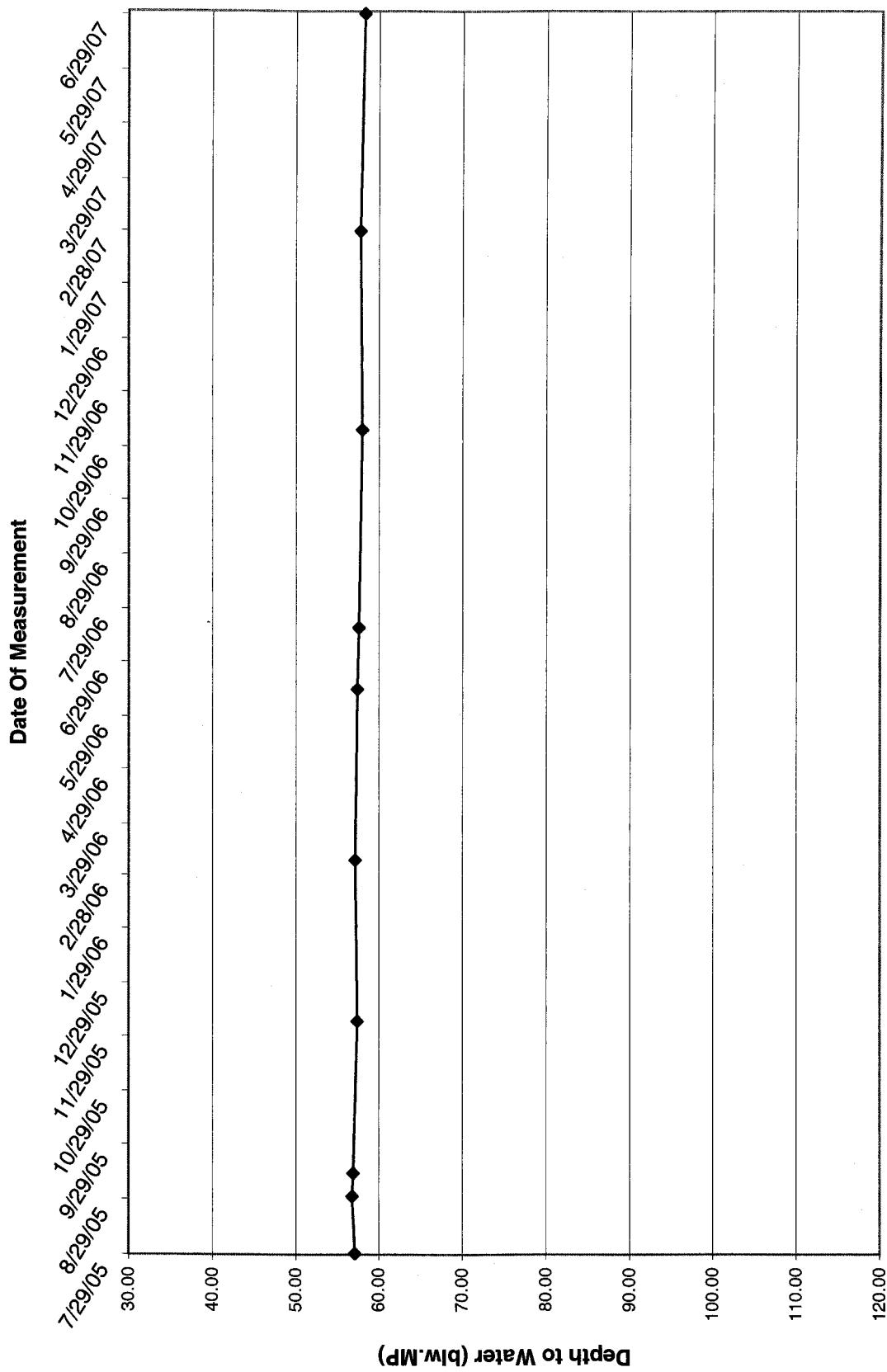
### White Mesa Temporary Well (4-20) Over Time



### White Mesa Temporary Well (4-21) Over Time



## **White Mesa Temporary Well (4-22) Over Time**



**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-1**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,622.33	1.02				111.04
5,540.98				11/8/1999	81.35	80.33	
5,541.13				11/9/1999	81.20	80.18	
5,541.23				1/2/2000	81.10	80.08	
5,541.23				1/10/2000	81.10	80.08	
5,540.98				1/17/2000	81.35	80.33	
5,541.03				1/24/2000	81.30	80.28	
5,541.03				2/1/2000	81.30	80.28	
5,540.93				2/7/2000	81.40	80.38	
5,541.23				2/14/2000	81.10	80.08	
5,541.23				2/23/2000	81.10	80.08	
5,541.33				3/1/2000	81.00	79.98	
5,541.43				3/8/2000	80.90	79.88	
5,541.73				3/15/2000	80.60	79.58	
5,541.43				3/20/2000	80.90	79.88	
5,541.43				3/29/2000	80.90	79.88	
5,541.18				4/4/2000	81.15	80.13	
5,540.93				4/13/2000	81.40	80.38	
5,541.23				4/21/2000	81.10	80.08	
5,541.43				4/28/2000	80.90	79.88	
5,541.33				5/1/2000	81.00	79.98	
5,541.63				5/11/2000	80.70	79.68	
5,541.33				5/15/2000	81.00	79.98	
5,541.63				5/25/2000	80.70	79.68	
5,541.63				6/9/2000	80.70	79.68	
5,541.65				6/16/2000	80.68	79.66	
5,541.63				6/26/2000	80.70	79.68	
5,541.85				7/6/2000	80.48	79.46	
5,541.79				7/13/2000	80.54	79.52	
5,541.91				7/18/2000	80.42	79.40	
5,542.17				7/27/2000	80.16	79.14	
5,542.31				8/2/2000	80.02	79.00	
5,542.43				8/9/2000	79.90	78.88	
5,542.41				8/15/2000	79.92	78.90	
5,542.08				8/31/2000	80.25	79.23	
5,542.93				9/1/2000	79.40	78.38	
5,542.87				9/8/2000	79.46	78.44	
5,543.09				9/13/2000	79.24	78.22	
5,543.25				9/20/2000	79.08	78.06	
5,543.44				10/5/2000	78.89	77.87	
5,544.08				11/9/2000	78.25	77.23	
5,544.49				12/6/2000	77.84	76.82	
5,546.14				1/14/2001	76.19	75.17	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-1**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z		5,620.77	5,622.33	1.02			111.04
5,547.44				2/2/2001	74.89	73.87	
5,548.71				3/29/2001	73.62	72.60	
5,549.20				4/30/2001	73.13	72.11	
5,549.64				5/31/2001	72.69	71.67	
5,549.94				6/22/2001	72.39	71.37	
5,550.25				7/10/2001	72.08	71.06	
5,550.93				8/10/2001	71.40	70.38	
5,551.34				9/19/2001	70.99	69.97	
5,551.59				10/2/2001	70.74	69.72	
5,549.64				5/31/2001	72.69	71.67	
5,549.94				6/21/2001	72.39	71.37	
5,550.25				7/10/2001	72.08	71.06	
5,550.93				8/20/2001	71.40	70.38	
5,551.34				9/19/2001	70.99	69.97	
5,551.59				10/2/2001	70.74	69.72	
5,551.87				11/8/2001	70.46	69.44	
5,552.40				12/3/2001	69.93	68.91	
5,552.62				1/3/2002	69.71	68.69	
5,553.12				2/6/2002	69.21	68.19	
5,553.75				3/26/2002	68.58	67.56	
5,553.97				4/9/2002	68.36	67.34	
5,554.56				5/23/2002	67.77	66.75	
5,554.54				6/5/2002	67.79	66.77	
5,554.83				7/8/2002	67.50	66.48	
5,555.29				8/23/2002	67.04	66.02	
5,555.54				9/11/2002	66.79	65.77	
5,555.94				10/23/2002	66.39	65.37	
5,556.02				11/22/2002	66.31	65.29	
5,556.23				12/3/2002	66.10	65.08	
5,556.49				1/9/2003	65.84	64.82	
5,556.67				2/12/2003	65.66	64.64	
5,557.15				3/26/2003	65.18	64.16	
5,557.23				4/2/2003	65.10	64.08	
5,556.07				5/1/2003	66.26	65.24	
5,554.28				6/9/2003	68.05	67.03	
5,553.84				7/7/2003	68.49	67.47	
5,553.39				8/4/2003	68.94	67.92	
5,553.06				9/11/2003	69.27	68.25	
5,553.33				10/2/2003	69.00	67.98	
5,553.25				11/7/2003	69.08	68.06	
5,553.82				12/3/2003	68.51	67.49	
5,555.61				1/15/2004	66.72	65.70	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-1**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,622.33	1.02				111.04
5,556.32				2/10/2004	66.01	64.99	
5,557.38				3/28/2004	64.95	63.93	
5,557.79				4/12/2004	64.54	63.52	
5,558.35				5/13/2004	63.98	62.96	
5,560.03				6/18/2004	62.30	61.28	
5,560.36				7/28/2004	61.97	60.95	
5,557.96				8/30/2004	64.37	63.35	
5,557.24				9/16/2004	65.09	64.07	
5,556.28				10/11/2004	66.05	65.03	
5,556.17				11/16/2004	66.16	65.14	
5,556.21				12/22/2004	66.12	65.10	
5,555.82				1/18/2005	66.51	65.49	
5,555.96				2/28/2005	66.37	65.35	
5,556.01				3/15/2005	66.32	65.30	
5,556.05				4/26/2005	66.28	65.26	
5,556.00				5/24/2005	66.33	65.31	
5,555.97				6/30/2005	66.36	65.34	
5,555.90				7/29/05	66.43	65.41	
5,556.22				9/12/05	66.11	65.09	
5,556.25				12/7/2005	66.08	65.06	
5,556.71				3/8/2006	65.62	64.60	
5,556.98	*			6/14/2006	65.35	64.33	
5,560.95				7/18/2006	61.38	60.36	
5,557.07				11/7/2006	65.26	64.24	
5,558.10				2/27/2007	64.23	63.21	
5,557.82				5/2/2007	64.51	63.49	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-2**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,548.85	5,623.10	5,625.00	1.90	11/8/1999	76.15	74.25	
5,548.85				11/9/1999	76.15	74.25	
5,548.60				1/2/2000	76.40	74.50	
5,548.80				1/10/2000	76.20	74.30	
5,548.60				1/17/2000	76.40	74.50	
5,549.00				1/24/2000	76.00	74.10	
5,548.90				2/1/2000	76.10	74.20	
5,548.90				2/7/2000	76.10	74.20	
5,549.30				2/14/2000	75.70	73.80	
5,549.40				2/23/2000	75.60	73.70	
5,549.50				3/1/2000	75.50	73.60	
5,549.60				3/8/2000	75.40	73.50	
5,549.50				3/15/2000	75.50	73.60	
5,550.20				3/20/2000	74.80	72.90	
5,550.00				3/29/2000	75.00	73.10	
5,549.70				4/4/2000	75.30	73.40	
5,549.80				4/13/2000	75.20	73.30	
5,550.00				4/21/2000	75.00	73.10	
5,550.10				4/28/2000	74.90	73.00	
5,550.10				5/1/2000	74.90	73.00	
5,550.40				5/11/2000	74.60	72.70	
5,550.10				5/15/2000	74.90	73.00	
5,550.40				5/25/2000	74.60	72.70	
5,550.40				6/9/2000	74.60	72.70	
5,550.50				6/16/2000	74.50	72.60	
5,550.35				6/26/2000	74.65	72.75	
5,550.45				7/6/2000	74.55	72.65	
5,550.45				7/13/2000	74.55	72.65	
5,550.46				7/18/2000	74.54	72.64	
5,550.61				7/27/2000	74.39	72.49	
5,550.66				8/2/2000	74.34	72.44	
5,550.68				8/9/2000	74.32	72.42	
5,550.70				8/15/2000	74.30	72.40	
5,550.82				8/31/2000	74.18	72.28	
5,551.15				9/8/2000	73.85	71.95	
5,551.25				9/13/2000	73.75	71.85	
5,551.32				9/20/2000	73.68	71.78	
5,546.11				10/5/2000	78.89	76.99	
5,546.75				11/9/2000	78.25	76.35	
5,547.16				12/6/2000	77.84	75.94	
5,552.46				1/26/2001	72.54	70.64	
5,552.48				2/2/2001	72.52	70.62	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-2**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,551.38				3/29/2001	73.62	71.72	
5,551.87				4/30/2001	73.13	71.23	
5,552.31				5/31/2001	72.69	70.79	
5,552.61				6/21/2001	72.39	70.49	
5,552.92				7/10/2001	72.08	70.18	
5,553.60				8/20/2001	71.40	69.50	
5,554.01				9/19/2001	70.99	69.09	
5,554.26				10/2/2001	70.74	68.84	
5,554.42				11/08/01	70.58	68.68	
5,555.07				12/03/01	69.93	68.03	
5,555.02				01/03/02	69.98	68.08	
5,555.19				02/06/02	69.81	67.91	
5,555.43				03/26/02	69.57	67.67	
5,555.67				04/09/02	69.33	67.43	
5,556.01				05/23/02	68.99	67.09	
5,556.07				06/05/02	68.93	67.03	
5,556.19				07/08/02	68.81	66.91	
5,556.32				08/23/02	68.68	66.78	
5,556.53				09/11/02	68.47	66.57	
5,557.00				10/23/02	68.00	66.10	
5,556.70				11/22/02	68.30	66.40	
5,557.29				12/03/02	67.71	65.81	
5,557.48				01/09/03	67.52	65.62	
5,557.63				02/12/03	67.37	65.47	
5,558.11				03/26/03	66.89	64.99	
5,558.15				04/02/03	66.85	64.95	
5,553.99				05/01/03	71.01	69.11	
5,549.26				06/09/03	75.74	73.84	
5,548.42				07/07/03	76.58	74.68	
5,548.03				08/04/03	76.97	75.07	
5,547.50				09/11/03	77.50	75.60	
5,547.96				10/02/03	77.04	75.14	
5,547.80				11/07/03	77.20	75.30	
5,548.57				12/03/03	76.43	74.53	
5,554.28				01/15/04	70.72	68.82	
5,555.74				02/10/04	69.26	67.36	
5,557.18				03/28/04	67.82	65.92	
5,557.77				04/12/04	67.23	65.33	
5,558.35				05/13/04	66.65	64.75	
5,558.47				06/18/04	66.53	64.63	
5,559.28				07/28/04	65.72	63.82	
5,554.54				08/30/04	70.46	68.56	
						121.125	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-2**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,623.10	5,625.00	1.90					121.125
5,552.25				09/16/04	72.75	70.85	
5,549.93				10/11/04	75.07	73.17	
5,550.17				11/16/04	74.83	72.93	
5,550.65				12/22/04	74.35	72.45	
5,550.23				01/18/05	74.77	72.87	
5,550.37				02/28/05	74.63	72.73	
5,550.41				03/15/05	74.59	72.69	
5,550.46				04/26/05	74.54	72.64	
5,550.60				05/24/05	74.40	72.50	
5,550.49				06/30/05	74.51	72.61	
5,550.39				07/29/05	74.61	72.71	
5,550.61				09/12/05	74.39	72.49	
5,550.57				12/07/05	74.43	72.53	
5,551.58				03/08/06	73.42	71.52	
5,551.70	*			06/14/06	73.3	71.40	
5,550.80				07/18/06	74.20	72.30	
5550.80				11/07/06	74.20	72.30	
5553.17				2/27/2007	71.83	69.93	
5,552.34				5/2/2007	72.66	70.76	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-3**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,565.78				11/29/1999	66.45	65.43	
5,566.93				1/2/2000	65.30	64.28	
5,567.03				1/10/2000	65.20	64.18	
5,566.83				1/17/2000	65.40	64.38	
5,567.13				1/24/2000	65.10	64.08	
5,567.33				2/1/2000	64.90	63.88	
5,567.13				2/7/2000	65.10	64.08	
5,567.43				2/14/2000	64.80	63.78	
5,567.63				2/23/2000	64.60	63.58	
5,567.73				3/1/2000	64.50	63.48	
5,567.83				3/8/2000	64.40	63.38	
5,567.70				3/15/2000	64.53	63.51	
5,568.03				3/20/2000	64.20	63.18	
5,567.93				3/29/2000	64.30	63.28	
5,567.63				4/4/2000	64.60	63.58	
5,567.83				4/13/2000	64.40	63.38	
5,568.03				4/21/2000	64.20	63.18	
5,568.23				4/28/2000	64.00	62.98	
5,568.13				5/1/2000	64.10	63.08	
5,568.53				5/11/2000	63.70	62.68	
5,568.23				5/15/2000	64.00	62.98	
5,568.53				5/25/2000	63.70	62.68	
5,568.61				6/9/2000	63.62	62.60	
5,568.69				6/16/2000	63.54	62.52	
5,568.45				6/26/2000	63.78	62.76	
5,568.61				7/6/2000	63.62	62.60	
5,568.61				7/6/2000	63.62	62.60	
5,568.49				7/13/2000	63.74	62.72	
5,568.55				7/18/2000	63.68	62.66	
5,568.65				7/27/2000	63.58	62.56	
5,568.73				8/2/2000	63.50	62.48	
5,568.77				8/9/2000	63.46	62.44	
5,568.76				8/16/2000	63.47	62.45	
5,568.95				8/31/2000	63.28	62.26	
5,568.49				9/8/2000	63.74	62.72	
5,568.67				9/13/2000	63.56	62.54	
5,568.96				9/20/2000	63.27	62.25	
5,568.93				10/5/2000	63.3	62.28	
5,569.34				11/9/2000	62.89	61.87	
5,568.79				12/6/2000	63.44	62.42	
5,569.11				1/3/2001	63.12	62.10	
5,569.75				2/9/2001	62.48	61.46	
5,631.21	5,632.23	1.02					141

## **Water Levels and Data over Time**

### **White Mesa Mill - Well TW4-3**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,570.34	5,631.21	5,632.23	1.02	3/28/2001	61.89	60.87	141
5,570.61				4/30/2001	61.62	60.60	
5,570.70				5/31/2001	61.53	60.51	
5,570.88				6/21/2001	61.35	60.33	
5,571.02				7/10/2001	61.21	60.19	
5,571.70				8/20/2001	60.53	59.51	
5,572.12				9/19/2001	60.11	59.09	
5,572.08				10/2/2001	60.15	59.13	
5,570.70				5/31/2001	61.53	60.51	
5,570.88				6/21/2001	61.35	60.33	
5,571.02				7/10/2001	61.21	60.19	
5,571.70				8/20/2001	60.53	59.51	
5,572.12				9/19/2001	60.11	59.09	
5,572.08				10/2/2001	60.15	59.13	
5,572.78				11/8/2001	59.45	58.43	
5,573.27				12/3/2001	58.96	57.94	
5,573.47				1/3/2002	58.76	57.74	
5,573.93				2/6/2002	58.30	57.28	
5,574.75				3/26/2002	57.48	56.46	
5,574.26				4/9/2002	57.97	56.95	
5,575.39				5/23/2002	56.84	55.82	
5,574.84				6/5/2002	57.39	56.37	
5,575.33				7/8/2002	56.90	55.88	
5,575.79				8/23/2002	56.44	55.42	
5,576.08				9/11/2002	56.15	55.13	
5,576.30				10/23/2002	55.93	54.91	
5,576.35				11/22/2002	55.88	54.86	
5,576.54				12/3/2002	55.69	54.67	
5,576.96				1/9/2003	55.27	54.25	
5,577.11				2/12/2003	55.12	54.10	
5,577.61				3/26/2003	54.62	53.60	
5,572.80				4/2/2003	59.43	58.41	
5,577.89				5/1/2003	54.34	53.32	
5,577.91				6/9/2003	54.32	53.30	
5,577.53				7/7/2003	54.70	53.68	
5,577.50				8/4/2003	54.73	53.71	
5,577.71				9/11/2003	54.52	53.50	
5,577.31				10/2/2003	54.92	53.90	
5,577.33				11/7/2003	54.90	53.88	
5,577.34				12/3/2003	54.89	53.87	
5,578.24				1/15/2004	53.99	52.97	
5,578.38				2/10/2004	53.85	52.83	

## **Water Levels and Data over Time**

### **White Mesa Mill - Well TW4-3**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,631.21	5,632.23	1.02					141
5,578.69				3/28/2004	53.54	52.52	
5,579.15				4/12/2004	53.08	52.06	
5,579.47				5/13/2004	52.76	51.74	
5,579.53				6/18/2004	52.70	51.68	
5,580.17				7/28/2004	52.06	51.04	
5,580.20				8/30/2004	52.03	51.01	
5,580.26				9/16/2004	51.97	50.95	
5,580.12				10/11/2004	52.11	51.09	
5,579.93				11/16/2004	52.30	51.28	
5,580.07				12/22/2004	52.16	51.14	
5,579.80				1/18/2005	52.43	51.41	
5,580.35				2/28/2005	51.88	50.86	
5,580.57				3/15/2005	51.66	50.64	
5,580.86				4/26/2005	51.37	50.35	
5,581.20				5/24/2005	51.03	50.01	
5,581.51				6/30/2005	50.72	49.70	
5,581.55				07/29/05	50.68	49.66	
5,581.68				09/12/05	50.55	49.53	
5,581.83				12/7/2005	50.4	49.38	
5,564.92				3/8/2006	67.31	66.29	
5,582.73				6/13/2006	49.50	48.48	
5,582.33				7/18/2006	49.90	48.88	
5,582.75				11/7/2006	49.48	48.46	
5583.35				2/27/2007	48.88	47.86	
5,559.57				5/2/2007	72.66	71.64	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-4**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,612.301	5,613.485	1.184					114.5
5,512.145				5/25/2000	101.34	100.16	
5,518.985				6/9/2000	94.50	93.32	
5,512.145				6/16/2000	101.34	100.16	
5,517.465				6/26/2000	96.02	94.84	
5,520.145				7/6/2000	93.34	92.16	
5,521.435				7/13/2000	92.05	90.87	
5,522.005				7/18/2000	91.48	90.30	
5,522.945				7/27/2000	90.54	89.36	
5,523.485				8/2/2000	90.00	88.82	
5,523.845				8/9/2000	89.64	88.46	
5,523.885				8/15/2000	89.60	88.42	
5,524.555				9/1/2000	88.93	87.75	
5,513.235				9/8/2000	100.25	99.07	
5,516.665				9/13/2000	96.82	95.64	
5,519.085				9/20/2000	94.40	93.22	
5,522.165				10/5/2000	91.32	90.14	
5,524.665				11/9/2000	88.82	87.64	
5,518.545				12/6/2000	94.94	93.76	
5,527.695				1/3/2001	85.79	84.61	
5,529.085				2/9/2001	84.40	83.22	
5,529.535				3/27/2001	83.95	82.77	
5,530.235				4/30/2001	83.25	82.07	
5,530.265				5/31/2001	83.22	82.04	
5,534.405				6/22/2001	79.08	77.90	
5,533.145				7/10/2001	80.34	79.16	
5,534.035				8/20/2001	79.45	78.27	
5,534.465				9/19/2001	79.02	77.84	
5,533.285				10/2/2001	80.20	79.02	
5,530.265				5/31/2001	83.22	82.04	
5,534.405				6/21/2001	79.08	77.90	
5,533.145				7/10/2001	80.34	79.16	
5,534.035				8/20/2001	79.45	78.27	
5,534.465				9/19/2001	79.02	77.84	
5,533.285				10/2/2001	80.20	79.02	
5,533.865				11/8/2001	79.62	78.44	
5,534.275				12/3/2001	79.21	78.03	
5,534.715				1/3/2002	78.77	77.59	
5,535.435				2/6/2002	78.05	76.87	
5,536.445				3/26/2002	77.04	75.86	
5,536.405				4/9/2002	77.08	75.90	
5,537.335				5/23/2002	76.15	74.97	
5,537.325				6/5/2002	76.16	74.98	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-4**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,612.301	5,613.485	1.184					114.5
5,537.975				7/8/2002	75.51	74.33	
5,538.825				8/23/2002	74.66	73.48	
5,539.275				9/11/2002	74.21	73.03	
5,539.765				10/23/2002	73.72	72.54	
5,540.205				11/22/2002	73.28	72.10	
5,540.295				12/3/2002	73.19	72.01	
5,540.795				1/9/2003	72.69	71.51	
5,540.985				2/12/2003	72.50	71.32	
5,541.675				3/26/2003	71.81	70.63	
5,541.765				4/2/2003	71.72	70.54	
5,541.885				5/1/2003	71.60	70.42	
5,542.025				6/9/2003	71.46	70.28	
5,541.925				7/7/2003	71.56	70.38	
5,541.885				8/4/2003	71.60	70.42	
5,541.825				9/11/2003	71.66	70.48	
5,541.885				10/2/2003	71.60	70.42	
5,541.995				11/7/2003	71.49	70.31	
5,542.005				12/3/2003	71.48	70.30	
5,542.555				1/15/2004	70.93	69.75	
5,542.705				2/10/2004	70.78	69.60	
5,543.225				3/28/2004	70.26	69.08	
5,543.555				4/12/2004	69.93	68.75	
5,543.865				5/13/2004	69.62	68.44	
5,543.915				6/18/2004	69.57	68.39	
5,544.655				7/28/2004	68.83	67.65	
5,544.795				8/30/2004	68.69	67.51	
5,544.845				9/16/2004	68.64	67.46	
5,544.705				10/11/2004	68.78	67.60	
5,544.525				11/16/2004	68.96	67.78	
5,544.625				12/22/2004	68.86	67.68	
5,544.305				1/18/2005	69.18	68.00	
5,544.585				2/28/2005	68.90	67.72	
5,544.685				3/15/2005	68.80	67.62	
5,544.675				4/26/2005	68.81	67.63	
5,544.785				5/24/2005	68.70	67.52	
5,544.795				6/30/2005	68.69	67.51	
5,544.775				7/29/2005	68.71	67.53	
5,545.005				9/12/2005	68.48	67.30	
5,545.225				12/7/2005	68.26	67.08	
5,545.735				3/8/2006	67.75	66.57	
5,545.785				6/14/2006	67.70	66.52	
5,545.855				7/18/2006	67.63	66.45	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-4**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,612.301	5,613.485	1.184					114.5
5,545.805				11/7/2006	67.68	66.50	
5546.675				2/27/2007	66.81	65.63	
5,546.535				5/2/2007	66.95	65.77	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-5**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.75
5,579.30				1/2/00	61.40	59.45	
5,579.60				1/10/00	61.10	59.15	
5,579.35				1/17/00	61.35	59.40	
5,579.60				1/24/00	61.10	59.15	
5,579.50				2/1/00	61.20	59.25	
5,579.50				2/7/00	61.20	59.25	
5,579.90				2/14/00	60.80	58.85	
5,579.90				2/23/00	60.80	58.85	
5,580.20				3/1/00	60.50	58.55	
5,580.00				3/8/00	60.70	58.75	
5,580.04				3/15/00	60.66	58.71	
5,580.70				3/20/00	60.00	58.05	
5,580.30				3/29/00	60.40	58.45	
5,580.00				4/4/00	60.70	58.75	
5,580.20				4/13/00	60.50	58.55	
5,580.40				4/21/00	60.30	58.35	
5,580.50				4/28/00	60.20	58.25	
5,580.50				5/1/00	60.20	58.25	
5,580.90				5/11/00	59.80	57.85	
5,580.50				5/15/00	60.20	58.25	
5,580.75				5/25/00	59.95	58.00	
5,580.80				6/9/00	59.90	57.95	
5,580.92				6/16/00	59.78	57.83	
5,580.80				6/26/00	59.90	57.95	
5,580.90				7/6/00	59.80	57.85	
5,581.05				7/13/00	59.65	57.70	
5,580.90				7/18/00	59.80	57.85	
5,581.05				7/27/00	59.65	57.70	
5,581.06				8/2/00	59.64	57.69	
5,581.08				8/9/00	59.62	57.67	
5,581.07				8/16/00	59.63	57.68	
5,581.25				8/31/00	59.45	57.50	
5,581.32				9/8/00	59.38	57.43	
5,581.34				9/13/00	59.36	57.41	
5,581.41				9/20/00	59.29	57.34	
5,581.37				10/5/00	59.33	57.38	
5,581.66				11/9/00	59.04	57.09	
5,581.63				12/6/00	59.07	57.12	
5,581.92				1/3/01	58.78	56.83	
5,582.20				2/9/01	58.50	56.55	
5,582.54				3/28/01	58.16	56.21	
5,582.72				4/30/01	57.98	56.03	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-5**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,582.72				5/31/01	57.98	56.03	
5,582.81				6/22/01	57.89	55.94	
5,582.92				7/10/01	57.78	55.83	
5,583.17				8/20/01	57.53	55.58	
5,583.28				9/19/01	57.42	55.47	
5,583.36				10/2/01	57.34	55.39	
5,582.72				5/31/01	57.98	56.03	
5,582.81				6/21/01	57.89	55.94	
5,582.92				7/10/01	57.78	55.83	
5,583.17				8/20/01	57.53	55.58	
5,583.28				9/19/01	57.42	55.47	
5,583.36				10/2/01	57.34	55.39	
5,583.49				11/8/01	57.21	55.26	
5,583.84				12/3/01	56.86	54.91	
5,583.79				1/3/02	56.91	54.96	
5,583.96				2/6/02	56.74	54.79	
5,584.39				3/26/02	56.31	54.36	
5,584.12				4/9/02	56.58	54.63	
5,584.55				5/23/02	56.15	54.20	
5,584.42				6/5/02	56.28	54.33	
5,583.65				7/8/02	57.05	55.10	
5,584.90				8/23/02	55.80	53.85	
5,585.02				9/11/02	55.68	53.73	
5,585.20				10/23/02	55.50	53.55	
5,585.15				11/22/02	55.55	53.60	
5,585.42				12/3/02	55.28	53.33	
5,585.65				1/9/03	55.05	53.10	
5,585.65				2/12/03	55.05	53.10	
5,585.92				3/26/03	54.78	52.83	
5,586.22				4/2/03	54.48	52.53	
5,586.01				5/1/03	54.69	52.74	
5,584.81				6/9/03	55.89	53.94	
5,584.34				7/7/03	56.36	54.41	
5,584.40				8/4/03	56.30	54.35	
5,583.88				9/11/03	56.82	54.87	
5,583.57				10/2/03	57.13	55.18	
5,583.39				11/7/03	57.31	55.36	
5,583.97				12/3/03	56.73	54.78	
5,585.28				1/15/04	55.42	53.47	
5,585.50				2/10/04	55.20	53.25	
5,585.87				3/28/04	54.83	52.88	
5,586.20				4/12/04	54.50	52.55	

## **Water Levels and Data over Time**

### **White Mesa Mill - Well TW4-5**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,586.45	5,638.75	5,640.70	1.95	5/13/04	54.25	52.30	121.75
5,586.50				6/18/04	54.20	52.25	
5,587.13				7/28/04	53.57	51.62	
5,586.22				8/30/04	54.48	52.53	
5,585.69				9/16/04	55.01	53.06	
5,585.17				10/11/04	55.53	53.58	
5,584.64				11/16/04	56.06	54.11	
5,584.77				12/22/04	55.93	53.98	
5,584.65				1/18/05	56.05	54.10	
5,584.98				2/28/05	55.72	53.77	
5,585.15				3/15/05	55.55	53.60	
5,586.25				4/26/05	54.45	52.50	
5,586.79				5/24/05	53.91	51.96	
5,586.52				6/30/05	54.18	52.23	
5,586.03				7/29/05	54.67	52.72	
5,586.05				9/12/05	54.65	52.70	
5,585.80				12/7/05	54.90	52.95	
5,587.06				3/8/06	53.64	51.69	
5,585.90				6/13/06	54.80	52.85	
5,585.32				7/18/06	55.38	53.43	
5,585.35				11/7/06	55.35	53.40	
5,585.81				2/27/07	54.89	52.94	
5,585.20				5/2/07	55.50	53.55	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-6**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				98.55
5,522.28				5/25/00	86.50	85.05	
5,521.51				6/9/00	87.27	85.82	
5,522.35				6/16/00	86.43	84.98	
5,522.14				6/26/00	86.64	85.19	
5,522.25				7/6/00	86.53	85.08	
5,522.13				7/13/00	86.65	85.20	
5,522.17				7/18/00	86.61	85.16	
5,522.26				7/25/00	86.52	85.07	
5,522.31				8/2/00	86.47	85.02	
5,522.33				8/9/00	86.45	85.00	
5,522.35				8/15/00	86.43	84.98	
5,522.40				8/31/00	86.38	84.93	
5,522.40				9/8/00	86.38	84.93	
5,522.45				9/13/00	86.33	84.88	
5,522.53				9/20/00	86.25	84.80	
5,522.39				10/5/00	86.39	84.94	
5,522.42				11/9/00	86.36	84.91	
5,522.29				12/6/00	86.49	85.04	
5,522.63				1/3/01	86.15	84.70	
5,522.72				2/9/01	86.06	84.61	
5,522.90				3/26/01	85.88	84.43	
5,522.70				4/30/01	86.08	84.63	
5,522.89				5/31/01	85.89	84.44	
5,522.88				6/20/01	85.90	84.45	
5,522.96				7/10/01	85.82	84.37	
5,523.10				8/20/01	85.68	84.23	
5,523.23				9/19/01	85.55	84.10	
5,523.21				10/2/01	85.57	84.12	
5,522.89				5/31/01	85.89	84.44	
5,522.88				6/21/01	85.90	84.45	
5,522.96				7/10/01	85.82	84.37	
5,523.10				8/20/01	85.68	84.23	
5,523.23				9/19/01	85.55	84.10	
5,523.21				10/2/01	85.57	84.12	
5,523.25				11/8/01	85.53	84.08	
5,523.46				12/3/01	85.32	83.87	
5,523.36				1/3/02	85.42	83.97	
5,523.50				2/6/02	85.28	83.83	
5,523.94				3/26/02	84.84	83.39	
5,523.75				4/9/02	85.03	83.58	
5,524.23				5/23/02	84.55	83.10	
5,523.98				6/5/02	84.80	83.35	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-6**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
5,607.33	5,608.78	1.450					98.55
5,524.31				7/8/02	84.47	83.02	
5,524.36				8/23/02	84.42	82.97	
5,524.49				9/11/02	84.29	82.84	
5,524.71				10/23/02	84.07	82.62	
5,524.60				11/22/02	84.18	82.73	
5,524.94				12/3/02	83.84	82.39	
5,525.10				1/9/03	83.68	82.23	
5,525.15				2/12/03	83.63	82.18	
5,525.35				3/26/03	83.43	81.98	
5,525.68				4/2/03	83.10	81.65	
5,525.74				5/1/03	83.04	81.59	
5,525.98				6/9/03	82.80	81.35	
5,526.04				7/7/03	82.74	81.29	
5,526.07				8/4/03	82.71	81.26	
5,526.42				9/11/03	82.36	80.91	
5,526.30				10/2/03	82.48	81.03	
5,526.41				11/7/03	82.37	80.92	
5,526.46				12/3/03	82.32	80.87	
5,526.83				1/15/04	81.95	80.50	
5,526.81				2/10/04	81.97	80.52	
5,527.14				3/28/04	81.64	80.19	
5,527.39				4/12/04	81.39	79.94	
5,527.64				5/13/04	81.14	79.69	
5,527.70				6/18/04	81.08	79.63	
5,528.16				7/28/04	80.62	79.17	
5,528.30				8/30/04	80.48	79.03	
5,528.52				9/16/04	80.26	78.81	
5,528.71				10/11/04	80.07	78.62	
5,528.74				11/16/04	80.04	78.59	
5,529.20				12/22/04	79.58	78.13	
5,528.92				1/18/05	79.86	78.41	
5,529.51				2/28/05	79.27	77.82	
5,529.74				3/15/05	79.04	77.59	
5,529.96				4/26/05	78.82	77.37	
5,530.15				5/24/05	78.63	77.18	
5,530.35				6/30/05	78.43	76.98	
5,530.47				7/29/05	78.31	76.86	
5,530.95				9/12/05	77.83	76.38	
5,531.50				12/7/05	77.28	75.83	
5,532.43				3/8/06	76.35	74.90	
5,533.49				6/13/06	75.29	73.84	
5,532.58				7/18/06	76.20	74.75	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-6**

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
5,607.33	5,608.78	1.450					98.55
5,532.88				11/7/06	75.90	74.45	
5534.09				2/27/07	74.69	73.24	
5,534.04				5/2/07	74.74	73.29	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-7**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
5,619.87	5,621.07		1.20				119.8
5,552.37				11/29/99	68.70	67.50	
5,553.57				1/2/00	67.50	66.30	
5,553.87				1/10/00	67.20	66.00	
5,553.72				1/17/00	67.35	66.15	
5,553.97				1/24/00	67.10	65.90	
5,553.87				2/1/00	67.20	66.00	
5,553.87				2/7/00	67.20	66.00	
5,554.17				2/14/00	66.90	65.70	
5,554.27				2/23/00	66.80	65.60	
5,554.37				3/1/00	66.70	65.50	
5,554.37				3/8/00	66.70	65.50	
5,554.27				3/15/00	66.80	65.60	
5,554.77				3/20/00	66.30	65.10	
5,554.57				3/29/00	66.50	65.30	
5,554.27				4/4/00	66.80	65.60	
5,554.57				4/13/00	66.50	65.30	
5,554.77				4/21/00	66.30	65.10	
5,554.87				4/28/00	66.20	65.00	
5,554.87				5/1/00	66.20	65.00	
5,555.27				5/11/00	65.80	64.60	
5,554.97				5/15/00	66.10	64.90	
5,555.27				5/25/00	65.80	64.60	
5,555.33				6/9/00	65.74	64.54	
5,555.45				6/16/00	65.62	64.42	
5,555.22				6/26/00	65.85	64.65	
5,555.45				7/6/00	65.62	64.42	
5,555.40				7/13/00	65.67	64.47	
5,555.45				7/18/00	65.62	64.42	
5,555.59				7/27/00	65.48	64.28	
5,555.65				8/2/00	65.42	64.22	
5,555.70				8/9/00	65.37	64.17	
5,555.74				8/16/00	65.33	64.13	
5,555.96				8/31/00	65.11	63.91	
5,555.87				9/8/00	65.20	64.00	
5,555.95				9/13/00	65.12	63.92	
5,556.05				9/20/00	65.02	63.82	
5,556.06				10/5/00	65.01	63.81	
5,556.17				10/12/00	64.90	63.70	
5,556.20				10/19/00	64.87	63.67	
5,556.22				10/23/00	64.85	63.65	
5,556.36				11/9/00	64.71	63.51	
5,556.42				11/14/00	64.65	63.45	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-7**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
5,556.45				11/30/00	64.62	63.42	
5,556.15				12/6/00	64.92	63.72	
5,556.89				1/14/01	64.18	62.98	
5,557.07				2/9/01	64.00	62.80	
5,557.62				3/29/01	63.45	62.25	
5,557.51				4/30/01	63.56	62.36	
5,557.77				5/31/01	63.30	62.10	
5,557.84				6/21/01	63.23	62.03	
5,557.98				7/10/01	63.09	61.89	
5,558.33				8/20/01	62.74	61.54	
5,558.57				9/19/01	62.50	61.30	
5,558.53				10/2/01	62.54	61.34	
5,558.62				11/8/01	62.45	61.25	
5,559.03				12/3/01	62.04	60.84	
5,559.08				1/3/02	61.99	60.79	
5,559.32				2/6/02	61.75	60.55	
5,559.63				3/26/02	61.44	60.24	
5,559.55				4/9/02	61.52	60.32	
5,560.06				5/23/02	61.01	59.81	
5,559.91				6/5/02	61.16	59.96	
5,560.09				7/8/02	60.98	59.78	
5,560.01				8/23/02	61.06	59.86	
5,560.23				9/11/02	60.84	59.64	
5,560.43				10/23/02	60.64	59.44	
5,560.39				11/22/02	60.68	59.48	
5,560.61				12/3/02	60.46	59.26	
5,560.89				1/9/03	60.18	58.98	
5,560.94				2/12/03	60.13	58.93	
5,561.28				3/26/03	59.79	58.59	
5,561.35				4/2/03	59.72	58.52	
5,546.20				5/1/03	74.87	73.67	
5,539.47				6/9/03	81.60	80.40	
5,541.87				7/7/03	79.20	78.00	
5,542.12				8/4/03	78.95	77.75	
5,541.91				9/11/03	79.16	77.96	
5,544.62				10/2/03	76.45	75.25	
5,542.67				11/7/03	78.40	77.20	
5,549.96				12/3/03	71.11	69.91	
5,557.17				1/15/04	63.90	62.70	
5,558.65				2/10/04	62.42	61.22	
5,559.90				3/28/04	61.17	59.97	
5,560.36				4/12/04	60.71	59.51	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-7**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
5,619.87	5,621.07		1.20				119.8
5,560.87				5/13/04	60.20	59.00	
5,560.95				6/18/04	60.12	58.92	
5,561.64				7/28/04	59.43	58.23	
5,543.00				8/30/04	78.07	76.87	
5,541.91				9/16/04	79.16	77.96	
5,540.08				10/11/04	80.99	79.79	
5,546.92				11/16/04	74.15	72.95	
5,546.97				12/22/04	74.10	72.90	
5,546.51				1/18/05	74.56	73.36	
5,546.66				2/28/05	74.41	73.21	
5,546.81				3/15/05	74.26	73.06	
5,548.19				4/26/05	72.88	71.68	
5,547.11				5/24/05	73.96	72.76	
5,546.98				6/30/05	74.09	72.89	
5,546.92				7/29/05	74.15	72.95	
5,547.26				9/12/05	73.81	72.61	
5,547.26				12/7/05	73.81	72.61	
5,548.86				3/8/06	72.21	71.01	
5,548.62				6/13/06	72.45	71.25	
5,550.04				7/18/06	71.03	69.83	
5,548.32				11/7/06	72.75	71.55	
5,550.44				2/27/07	70.63	69.43	
5,549.69				5/2/07	71.38	70.18	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-8**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,616.80	5,618.21		1.41				126.00
5,543.21				11/29/99	75.00	73.59	
5,543.01				1/2/00	75.20	73.79	
5,543.31				1/10/00	74.90	73.49	
5,543.11				1/17/00	75.10	73.69	
5,543.41				1/24/00	74.80	73.39	
5,543.31				2/1/00	74.90	73.49	
5,543.31				2/7/00	74.90	73.49	
5,543.71				2/14/00	74.50	73.09	
5,543.76				2/23/00	74.45	73.04	
5,543.86				3/1/00	74.35	72.94	
5,543.86				3/8/00	74.35	72.94	
5,543.91				3/15/00	74.30	72.89	
5,544.31				3/20/00	73.90	72.49	
5,544.21				3/29/00	74.00	72.59	
5,544.01				4/4/00	74.20	72.79	
5,544.21				4/13/00	74.00	72.59	
5,544.41				4/21/00	73.80	72.39	
5,544.51				4/28/00	73.70	72.29	
5,544.51				5/1/00	73.70	72.29	
5,544.81				5/11/00	73.40	71.99	
5,544.51				5/15/00	73.70	72.29	
5,544.71				5/25/00	73.50	72.09	
5,544.71				6/9/00	73.50	72.09	
5,544.81				6/16/00	73.40	71.99	
5,544.68				6/26/00	73.53	72.12	
5,544.76				7/6/00	73.45	72.04	
5,544.77				7/13/00	73.44	72.03	
5,544.76				7/18/00	73.45	72.04	
5,544.92				7/27/00	73.29	71.88	
5,544.96				8/2/00	73.25	71.84	
5,544.98				8/9/00	73.23	71.82	
5,544.97				8/15/00	73.24	71.83	
5,545.21				8/31/00	73.00	71.59	
5,545.31				9/8/00	72.90	71.49	
5,545.43				9/13/00	72.78	71.37	
5,545.56				9/20/00	72.65	71.24	
5,545.57				10/5/00	72.64	71.23	
5,545.81				11/9/00	72.40	70.99	
5,545.66				12/6/00	72.55	71.14	
5,546.28				1/3/01	71.93	70.52	
5,546.70				2/9/01	71.51	70.10	
5,547.18				3/27/01	71.03	69.62	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-8**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,547.31				4/30/01	70.90	69.49	
5,547.49				5/31/01	70.72	69.31	
5,547.49				6/20/01	70.72	69.31	
5,547.83				7/10/01	70.38	68.97	
5,548.13				8/20/01	70.08	68.67	
5,548.30				9/19/01	69.91	68.50	
5,548.45				10/2/01	69.76	68.35	
5,547.49				5/31/01	70.72	69.31	
5,547.54				6/21/01	70.67	69.26	
5,547.83				7/10/01	70.38	68.97	
5,548.13				8/20/01	70.08	68.67	
5,548.30				9/19/01	69.91	68.50	
5,548.45				10/2/01	69.76	68.35	
5,548.62				11/8/01	69.59	68.18	
5,549.03				12/3/01	69.18	67.77	
5,548.97				1/3/02	69.24	67.83	
5,549.19				2/6/02	69.02	67.61	
5,549.66				3/26/02	68.55	67.14	
5,549.64				4/9/02	68.57	67.16	
5,550.01				5/23/02	68.20	66.79	
5,549.97				6/5/02	68.24	66.83	
5,550.13				7/8/02	68.08	66.67	
5,550.30				8/23/02	67.91	66.50	
5,550.50				9/11/02	67.71	66.30	
5,550.90				10/23/02	67.31	65.90	
5,550.83				11/22/02	67.38	65.97	
5,551.04				12/3/02	67.17	65.76	
5,551.24				1/9/03	66.97	65.56	
5,551.23				2/12/03	66.98	65.57	
5,551.52				3/26/03	66.69	65.28	
5,551.64				4/2/03	66.57	65.16	
5,549.02				5/1/03	69.19	67.78	
5,544.74				6/9/03	73.47	72.06	
5,543.78				7/7/03	74.43	73.02	
5,543.39				8/4/03	74.82	73.41	
5,543.05				9/11/03	75.16	73.75	
5,543.19				10/2/03	75.02	73.61	
5,543.21				11/7/03	75.00	73.59	
5,543.40				12/3/03	74.81	73.40	
5,548.10				1/15/04	70.11	68.70	
5,549.50				2/10/04	68.71	67.30	
5,550.87				3/28/04	67.34	65.93	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-8**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,616.80	5,618.21	1.41					126.00
5,551.33				4/12/04	66.88	65.47	
5,551.87				5/13/04	66.34	64.93	
5,551.92				6/18/04	66.29	64.88	
5,552.69				7/28/04	65.52	64.11	
5,549.78				8/30/04	68.43	67.02	
5,547.46				9/16/04	70.75	69.34	
5,545.21				10/11/04	73.00	71.59	
5,545.09				11/16/04	73.12	71.71	
5,545.61				12/22/04	72.60	71.19	
5,545.24				1/18/05	72.97	71.56	
5,545.42				2/28/05	72.79	71.38	
5,545.45				3/15/05	72.76	71.35	
5,545.46				4/26/05	72.75	71.34	
5,545.66				5/24/05	72.55	71.14	
5,545.54				6/30/05	72.67	71.26	
5,545.43				7/29/05	72.78	71.37	
5,545.61				9/12/05	72.60	71.19	
5,545.52				12/7/05	72.69	71.28	
5,546.53				3/8/06	71.68	70.27	
5,546.51				6/13/06	71.70	70.29	
5,546.51				7/18/06	71.70	70.29	
5,546.46				11/7/06	71.75	70.34	
5,547.92				2/27/07	70.29	68.88	
5,547.01				5/2/07	71.20	69.79	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-9**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,636.11	5,637.59		1.48				121.33
5,577.09				12/20/99	60.5	59.02	
5,577.09				1/2/00	60.5	59.02	
5,577.29				1/10/00	60.3	58.82	
5,577.09				1/17/00	60.5	59.02	
5,577.39				1/24/00	60.2	58.72	
5,577.29				2/1/00	60.3	58.82	
5,577.19				2/7/00	60.4	58.92	
5,577.69				2/14/00	59.9	58.42	
5,577.69				2/23/00	59.9	58.42	
5,577.79				3/1/00	59.8	58.32	
5,577.79				3/8/00	59.8	58.32	
5,577.89				3/15/00	59.7	58.22	
5,568.49				3/20/00	69.1	67.62	
5,578.14				3/29/00	59.45	57.97	
5,577.84				4/4/00	59.75	58.27	
5,578.04				4/13/00	59.55	58.07	
5,578.24				4/21/00	59.35	57.87	
5,578.39				4/28/00	59.2	57.72	
5,578.39				5/1/00	59.2	57.72	
5,578.79				5/11/00	58.8	57.32	
5,578.39				5/15/00	59.2	57.72	
5,578.79				5/25/00	58.8	57.32	
5,578.81				6/9/00	58.78	57.30	
5,578.89				6/16/00	58.7	57.22	
5,578.74				6/26/00	58.85	57.37	
5,578.86				7/6/00	58.73	57.25	
5,578.87				7/13/00	58.72	57.24	
5,578.84				7/18/00	58.75	57.27	
5,579.03				7/27/00	58.56	57.08	
5,579.03				8/2/00	58.56	57.08	
5,579.05				8/9/00	58.54	57.06	
5,579.04				8/15/00	58.55	57.07	
5,579.25				8/31/00	58.34	56.86	
5,579.35				9/8/00	58.24	56.76	
5,579.40				9/13/00	58.19	56.71	
5,579.46				9/20/00	58.13	56.65	
5,579.44				10/5/00	58.15	56.67	
5,579.79				11/9/00	57.8	56.32	
5,579.73				12/6/00	57.86	56.38	
5,580.01				1/3/01	57.58	56.10	
5,580.30				2/9/01	57.29	55.81	
5,580.66				3/27/01	56.93	55.45	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-9**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,580.75				4/30/01	56.84	55.36	
5,581.04				5/31/01	56.55	55.07	
5,581.12				6/21/01	56.47	54.99	
5,581.15				7/10/01	56.44	54.96	
5,581.51				8/20/01	56.08	54.60	
5,581.70				9/19/01	55.89	54.41	
5,581.61				10/2/01	55.98	54.50	
5,581.04				5/31/01	56.55	55.07	
5,581.12				6/21/01	56.47	54.99	
5,581.15				7/10/01	56.44	54.96	
5,581.51				8/20/01	56.08	54.60	
5,581.70				9/19/01	55.89	54.41	
5,581.61				10/2/01	55.98	54.50	
5,581.83				11/8/01	55.76	54.28	
5,582.17				12/3/01	55.42	53.94	
5,582.21				1/3/02	55.38	53.90	
5,582.57				2/6/02	55.02	53.54	
5,583.12				3/26/02	54.47	52.99	
5,582.77				4/9/02	54.82	53.34	
5,583.21				5/23/02	54.38	52.90	
5,582.94				6/5/02	54.65	53.17	
5,582.71				7/8/02	54.88	53.40	
5,583.67				8/23/02	53.92	52.44	
5,583.82				9/11/02	53.77	52.29	
5,584.01				10/23/02	53.58	52.10	
5,583.88				11/22/02	53.71	52.23	
5,583.81				12/3/02	53.78	52.30	
5,584.28				1/9/03	53.31	51.83	
5,584.41				2/12/03	53.18	51.70	
5,584.68				3/26/03	52.91	51.43	
5,584.49				4/2/03	53.10	51.62	
5,584.51				5/1/03	53.08	51.60	
5,583.59				6/9/03	54.00	52.52	
5,582.96				7/7/03	54.63	53.15	
5,582.98				8/4/03	54.61	53.13	
5,582.57				9/11/03	55.02	53.54	
5,582.25				10/2/03	55.34	53.86	
5,582.09				11/7/03	55.50	54.02	
5,582.48				12/3/03	55.11	53.63	
5,583.69				1/15/04	53.90	52.42	
5,583.89				2/10/04	53.70	52.22	
5,584.30				3/28/04	53.29	51.81	

## Water Levels and Data over Time

### White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				121.33
5,584.59				4/12/04	53.00	51.52	
5,584.87				5/13/04	52.72	51.24	
5,584.96				6/18/04	52.63	51.15	
5,585.50				7/28/04	52.09	50.61	
5,584.81				8/30/04	52.78	51.30	
5,584.40				9/16/04	53.19	51.71	
5,583.91				10/11/04	53.68	52.20	
5,583.39				11/16/04	54.20	52.72	
5,583.54				12/22/04	54.05	52.57	
5,583.34				1/18/05	54.25	52.77	
5,583.66				2/28/05	53.93	52.45	
5,583.87				3/15/05	53.72	52.24	
5,584.74				4/26/05	52.85	51.37	
5,585.26				5/24/05	52.33	50.85	
5,585.06				6/30/05	52.53	51.05	
5,584.67				7/29/05	52.92	51.44	
5,584.75				9/12/05	52.84	51.36	
5,584.51				12/7/05	53.08	51.60	
5,585.74				3/8/06	51.85	50.37	
5,584.74				6/13/06	52.85	51.37	
5,584.26				7/18/06	53.33	51.85	
5,584.21				11/7/06	53.38	51.90	
5,584.67				2/27/07	52.92	51.44	
5,584.06				5/2/07	53.53	52.05	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-10**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,576.75				1/3/02	57.49	55.24	
5,576.92				2/6/02	57.32	55.07	
5,577.43				3/26/02	56.81	54.56	
5,577.22				4/9/02	57.02	54.77	
5,577.80				5/23/02	56.44	54.19	
5,577.47				6/5/02	56.77	54.52	
5,577.55				7/8/02	56.69	54.44	
5,578.10				8/23/02	56.14	53.89	
5,578.24				9/11/02	56.00	53.75	
5,578.49				10/23/02	55.75	53.50	
5,578.43				11/22/02	55.81	53.56	
5,578.43				12/3/02	55.81	53.56	
5,578.66				1/9/03	55.58	53.33	
5,578.66				2/12/03	55.58	53.33	
5,578.78				3/26/03	55.46	53.21	
5,578.90				4/2/03	55.34	53.09	
5,578.83				5/1/03	55.41	53.16	
5,578.05				6/9/03	56.19	53.94	
5,577.38				7/7/03	56.86	54.61	
5,577.15				8/4/03	57.09	54.84	
5,576.76				9/11/03	57.48	55.23	
5,576.36				10/2/03	57.88	55.63	
5,576.05				11/7/03	58.19	55.94	
5,576.20				12/3/03	58.04	55.79	
5,577.43				1/15/04	56.81	54.56	
5,577.81				2/10/04	56.43	54.18	
5,578.47				3/28/04	55.77	53.52	
5,578.69				4/12/04	55.55	53.30	
5,578.93				5/13/04	55.31	53.06	
5,578.99				6/18/04	55.25	53.00	
5,579.18				7/28/04	55.06	52.81	
5,579.06				8/30/04	55.18	52.93	
5,578.78				9/16/04	55.46	53.21	
5,577.80				10/11/04	56.44	54.19	
5,577.13				11/16/04	57.11	54.86	
5,576.96				12/22/04	57.28	55.03	
5,576.63				1/18/05	57.61	55.36	
5,576.82				2/28/05	57.42	55.17	
5,576.86				3/15/05	57.38	55.13	
5,577.52				4/26/05	56.72	54.47	
5,578.01				5/24/05	56.23	53.98	
5,578.15				6/30/05	56.09	53.84	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-11**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,548.32				1/3/02	75.30	73.60	
5,548.73				2/6/02	74.89	73.19	
5,549.03				3/26/02	74.59	72.89	
5,548.84				4/9/02	74.78	73.08	
5,549.30				5/23/02	74.32	72.62	
5,549.01				6/5/02	74.61	72.91	
5,549.22				7/8/02	74.40	72.70	
5,549.44				8/23/02	74.18	72.48	
5,549.57				9/11/02	74.05	72.35	
5,549.64				10/23/02	73.98	72.28	
5,549.58				11/22/02	74.04	72.34	
5,549.62				12/3/02	74.00	72.30	
5,549.85				1/9/03	73.77	72.07	
5,549.91				2/12/03	73.71	72.01	
5,550.15				3/26/03	73.47	71.77	
5,550.01				4/2/03	73.61	71.91	
5,550.31				5/1/03	73.31	71.61	
5,550.44				6/9/03	73.18	71.48	
5,550.33				7/7/03	73.29	71.59	
5,550.35				8/4/03	73.27	71.57	
5,550.44				9/11/03	73.18	71.48	
5,550.47				10/2/03	73.15	71.45	
5,550.60				11/7/03	73.02	71.32	
5,550.60				12/3/03	73.02	71.32	
5,550.94				1/15/04	72.68	70.98	
5,551.00				2/10/04	72.62	70.92	
5,550.34				3/28/04	73.28	71.58	
5,551.54				4/12/04	72.08	70.38	
5,551.89				5/13/04	71.73	70.03	
5,551.94				6/18/04	71.68	69.98	
5,552.49				7/28/04	71.13	69.43	
5,552.74				8/30/04	70.88	69.18	
5,553.01				9/16/04	70.61	68.91	
5,553.11				10/11/04	70.51	68.81	
5,553.19				11/16/04	70.43	68.73	
5,553.53				12/22/04	70.09	68.39	
5,553.31				1/18/05	70.31	68.61	
5,553.84				2/28/05	69.78	68.08	
5,554.04				3/15/05	69.58	67.88	
5,554.23				4/26/05	69.39	67.69	
5,553.87				5/24/05	69.75	68.05	
5,554.46				6/30/05	69.16	67.46	

## **Water Levels and Data over Time**

### **White Mesa Mill - Well TW4-10**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,577.90				7/29/05	56.34	54.09	
5,578.02				9/12/05	56.22	53.97	
5,577.56				12/7/05	56.68	54.43	
5,579.69				3/8/06	54.55	52.30	
5,578.34				6/13/06	55.90	53.65	
5,577.94				7/18/06	56.30	54.05	
5,578.01				11/7/06	56.23	53.98	
5,578.43				2/27/07	55.81	53.56	
5,577.84				5/2/07	56.40	54.15	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-11**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,554.57				7/29/05	69.05	67.35	
5,553.86				9/12/05	69.76	68.06	
5,555.30				12/7/05	68.32	66.62	
5,556.20				3/8/06	67.42	65.72	
5,556.48				6/14/06	67.14	65.44	
5,556.37				7/18/06	67.25	65.55	
5,556.94				11/7/06	66.68	64.98	
5557.92				2/27/07	65.7	64	
5,557.84				5/2/07	65.78	64.08	
	5,621.92	5,623.62	1.70				121.33

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-12**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,622.38	5,624.03		1.65				121.33
5,580.71				8/23/02	43.32	41.67	
5,581.34				9/11/02	42.69	41.04	
5,581.13				10/23/02	42.90	41.25	
5,581.27				11/22/02	42.76	41.11	
5,581.35				12/3/02	42.68	41.03	
5,582.38				1/9/03	41.65	40.00	
5,582.27				2/12/03	41.76	40.11	
5,582.51				3/26/03	41.52	39.87	
5,581.91				4/2/03	42.12	40.47	
5,582.72				5/1/03	41.31	39.66	
5,582.93				6/9/03	41.10	39.45	
5,583.01				7/7/03	41.02	39.37	
5,583.11				8/4/03	40.92	39.27	
5,583.35				9/11/03	40.68	39.03	
5,583.52				10/2/03	40.51	38.86	
5,583.57				11/7/03	40.46	38.81	
5,583.81				12/3/03	40.22	38.57	
5,584.17				1/15/04	39.86	38.21	
5,584.19				2/10/04	39.84	38.19	
5,584.31				3/28/04	39.72	38.07	
5,584.70				4/12/04	39.33	37.68	
5,584.68				5/13/04	39.35	37.70	
5,584.73				6/18/04	39.30	37.65	
5,585.16				7/28/04	38.87	37.22	
5,585.18				8/30/04	38.85	37.20	
5,585.29				9/16/04	38.74	37.09	
5,585.65				10/11/04	38.38	36.73	
5,585.71				11/16/04	38.32	36.67	
5,586.15				12/22/04	37.88	36.23	
5,585.94				1/18/05	38.09	36.44	
5,586.36				2/28/05	37.67	36.02	
5,586.75				3/15/05	37.28	35.63	
5,587.00				4/26/05	37.03	35.38	
5,587.15				5/24/05	36.88	35.23	
5,587.38				6/30/05	36.65	35.00	
5,587.38				7/29/05	36.65	35.00	
5,587.74				9/12/05	36.29	34.64	
5,588.23				12/7/05	35.80	34.15	
5,588.72				3/8/06	35.31	33.66	
5,588.14				6/13/06	35.89	34.24	
5,588.13				7/18/06	35.90	34.25	
5,584.50				11/7/06	39.53	37.88	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-12**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,622.38	5,624.03	1.65		2/27/07	35.38	33.73	121.33
5588.65							
5,588.33				5/2/07	35.70	34.05	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-13**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,529.66				8/23/02	90.28	88.43	
5,530.66				9/11/02	89.28	87.43	
5,529.10				10/23/02	90.84	88.99	
5,530.58				11/22/02	89.36	87.51	
5,530.61				12/3/02	89.33	87.48	
5,529.74				1/9/03	90.20	88.35	
5,531.03				2/12/03	88.91	87.06	
5,531.82				3/26/03	88.12	86.27	
5,524.63				4/2/03	95.31	93.46	
5,531.54				5/1/03	88.40	86.55	
5,538.46				6/9/03	81.48	79.63	
5,539.38				7/7/03	80.56	78.71	
5,540.72				8/4/03	79.22	77.37	
5,541.25				9/11/03	78.69	76.84	
5,541.34				10/2/03	78.60	76.75	
5,541.69				11/7/03	78.25	76.40	
5,541.91				12/3/03	78.03	76.18	
5,542.44				1/15/04	77.50	75.65	
5,542.47				2/10/04	77.47	75.62	
5,542.84				3/28/04	77.10	75.25	
5,543.08				4/12/04	76.86	75.01	
5,543.34				5/13/04	76.60	74.75	
5,543.40				6/18/04	76.54	74.69	
5,544.06				7/28/04	75.88	74.03	
5,544.61				8/30/04	75.33	73.48	
5,545.23				9/16/04	74.71	72.86	
5,546.20				10/11/04	73.74	71.89	
5,547.43				11/16/04	72.51	70.66	
5,548.96				12/22/04	70.98	69.13	
5,549.02				1/18/05	70.92	69.07	
5,550.66				2/28/05	69.28	67.43	
5,551.26				3/15/05	68.68	66.83	
5,552.23				4/26/05	67.71	65.86	
5,552.87				5/24/05	67.07	65.22	
5,553.42				6/30/05	66.52	64.67	
5,554.00				7/29/05	65.94	64.09	
5,555.21				9/12/05	64.73	62.88	
5,558.13				12/7/05	61.81	59.96	
5,562.93				3/8/06	57.01	55.16	
5,564.39				6/13/06	55.55	53.70	
5,562.09				7/18/06	57.85	56.00	
5,565.49				11/7/06	54.45	52.60	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-13**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,618.09	5,619.94	1.85					121.33
5571.08				2/27/07	48.86	47.01	
5,570.63				5/2/07	49.31	47.46	

**Water Levels and  
Data over Time  
White Mesa Mill -  
Well TW4-14**

<b>Water Elevatio n (WL)</b>	<b>Land Surfac e (LSD)</b>	<b>Measuring Point Elevation (MP)</b>	<b>Length of Riser (L)</b>	<b>Date Of Monitori ng</b>	<b>Total or Measure d Depth to Water (blw.MP )</b>	<b>Total Depth to Water (blw.LS D)</b>	<b>Total Depth Of Well</b>
5,610.9	5,610.9	5,612.77	1.85				121.3
2							3
5,518.90				8/23/02	93.87	92.02	
5,519.28				9/11/02	93.49	91.64	
5,519.95				10/23/02	92.82	90.97	
5,520.32				11/22/02	92.45	90.60	
5,520.42				12/3/02	92.35	90.50	
5,520.70				1/9/03	92.07	90.22	
5,520.89				2/12/03	91.88	90.03	
5,521.12				3/26/03	91.65	89.80	
5,521.12				4/2/03	91.65	89.80	
5,521.24				5/1/03	91.53	89.68	
5,521.34				6/9/03	91.43	89.58	
5,521.36				7/7/03	91.41	89.56	
5,521.35				8/4/03	91.42	89.57	
5,521.30				9/11/03	91.47	89.62	
5,521.35				10/2/03	91.42	89.57	
5,521.36				11/7/03	91.41	89.56	
5,521.16				12/3/03	91.61	89.76	
5,521.29				1/15/04	91.48	89.63	
5,521.36				2/10/04	91.41	89.56	
5,521.46				3/28/04	91.31	89.46	
5,521.54				4/12/04	91.23	89.38	
5,521.59				5/13/04	91.18	89.33	
5,521.69				6/18/04	91.08	89.23	
5,521.71				7/28/04	91.06	89.21	
5,521.76				8/30/04	91.01	89.16	
5,521.77				9/16/04	91.00	89.15	
5,521.79				10/11/04	90.98	89.13	
5,521.80				11/16/04	90.97	89.12	
5,521.82				12/22/04	90.95	89.10	
5,521.82				1/18/05	90.95	89.10	
5,521.86				2/28/05	90.91	89.06	
5,521.85				3/15/05	90.92	89.07	
5,521.91				4/26/05	90.86	89.01	
5,521.93				5/24/05	90.84	88.99	
5,521.94				6/30/05	90.83	88.98	
5,521.84				7/29/05	90.93	89.08	
5,521.99				9/12/05	90.78	88.93	
5,522.04				12/7/05	90.73	88.88	

**Water Levels and  
Data over Time  
White Mesa Mill -  
Well TW4-14**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP )	Total Depth to Water (blw.LS D)	Total Depth Of Well
5,610.9	2	5,612.77	1.85				121.3
5,522.05				3/8/06	90.72	88.87	
5,522.27				6/13/06	90.50	88.65	
5,521.92				7/18/06	90.85	89.00	
5,520.17				11/7/06	92.60	90.75	
5522.24				2/27/07	90.53	88.68	
5,522.47				5/2/07	90.30	88.45	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-15 (MW-26)**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,624.15	5,625.45		1.30				121.33
5,574.75				8/23/2002	50.70	49.40	
5,574.97				9/11/2002	50.48	49.18	
5,575.10				10/23/2002	50.35	49.05	
5,574.99				11/22/2002	50.46	49.16	
5,575.28				12/3/2002	50.17	48.87	
5,575.41				1/9/2003	50.04	48.74	
5,575.43				2/12/2003	50.02	48.72	
5,575.63				3/26/2003	49.82	48.52	
5,575.91				4/2/2003	49.54	48.24	
5,575.81				5/1/2003	49.64	48.34	
5,572.36				6/9/2003	53.09	51.79	
5,570.70				7/7/2003	54.75	53.45	
5,570.29				8/4/2003	55.16	53.86	
5,560.94				9/11/2003	64.51	63.21	
5,560.63				10/2/2003	64.82	63.52	
5,560.56				11/7/2003	64.89	63.59	
5,564.77				12/3/2003	60.68	59.38	
5,570.89				1/15/2004	54.56	53.26	
5,572.55				2/10/2004	52.90	51.60	
5,574.25				3/28/2004	51.20	49.90	
5,574.77				4/12/2004	50.68	49.38	
5,575.53				5/13/2004	49.92	48.62	
5,575.59				6/18/2004	49.86	48.56	
5,576.82				7/28/2004	48.63	47.33	
5,527.47				9/16/2004	97.98	96.68	
5,553.97				11/16/2004	71.48	70.18	
5,562.33				12/22/2004	63.12	61.82	
5,550.00				1/18/2005	75.45	74.15	
5,560.02				4/26/2005	65.43	64.13	
5,546.11				5/24/2005	79.34	78.04	
5,556.71				6/30/2005	68.74	67.44	
5,554.95				7/29/2005	70.50	69.20	
5,555.48				9/12/2005	69.97	68.67	
5,551.09				12/7/2005	74.36	73.06	
5,552.85				3/8/2006	72.60	71.30	
5,554.30				6/13/2006	71.15	69.85	
5,554.87				7/18/2006	70.58	69.28	
5,550.88				11/7/2006	74.57	73.27	
5558.77				2/27/2007	66.68	65.38	
5,548.54				5/2/2007	76.91	75.61	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-16**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,562.91				8/23/02	61.11	59.28	
5,563.45				9/11/02	60.57	58.74	
5,563.75				10/23/02	60.27	58.44	
5,563.68				11/22/02	60.34	58.51	
5,563.68				12/3/02	60.34	58.51	
5,564.16				1/9/03	59.86	58.03	
5,564.25				2/12/03	59.77	57.94	
5,564.53				3/26/03	59.49	57.66	
5,564.46				4/2/03	59.56	57.73	
5,564.79				5/1/03	59.23	57.40	
5,564.31				6/9/03	59.71	57.88	
5,563.29				7/7/03	60.73	58.90	
5,562.76				8/4/03	61.26	59.43	
5,561.73				9/11/03	62.29	60.46	
5,561.04				10/2/03	62.98	61.15	
5,560.39				11/7/03	63.63	61.80	
5,559.79				12/3/03	64.23	62.40	
5,561.02				1/15/04	63.00	61.17	
5,561.75				2/10/04	62.27	60.44	
5,562.98				3/28/04	61.04	59.21	
5,563.29				4/12/04	60.73	58.90	
5,564.03				5/13/04	59.99	58.16	
5,564.09				6/18/04	59.93	58.10	
5,565.08				7/28/04	58.94	57.11	
5,564.56				8/30/04	59.46	57.63	
5,563.55				9/16/04	60.47	58.64	
5,561.79				10/11/04	62.23	60.40	
5,560.38				11/16/04	63.64	61.81	
5,559.71				12/22/04	64.31	62.48	
5,559.14				1/18/05	64.88	63.05	
5,558.65				2/28/05	65.37	63.54	
5,558.54				3/15/05	65.48	63.65	
5,558.22				4/26/05	65.80	63.97	
5,558.54				5/24/05	65.48	63.65	
5,559.24				6/30/05	64.78	62.95	
5,559.38				7/29/05	64.64	62.81	
5,559.23				9/12/05	64.79	62.96	
5,557.67				12/7/05	66.35	64.52	
5,557.92				3/8/06	66.10	64.27	
5,558.47				6/13/06	65.55	63.72	
5,558.42				7/18/06	65.60	63.77	
5,558.09				11/7/06	65.93	64.10	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-16**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,622.19	5,624.02		1.83				121.33
5557.34				2/27/07	66.68	64.85	
5,547.11				5/2/07	76.91	75.08	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-17 (MW-32)**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,542.17				8/23/02	83.07	81.24	
5,542.39				9/11/02	82.85	81.02	
5,542.61				10/23/02	82.63	80.80	
5,542.49				11/22/02	82.75	80.92	
5,542.82				12/3/02	82.42	80.59	
5,543.03				1/9/03	82.21	80.38	
5,543.04				2/12/03	82.20	80.37	
5,543.41				3/26/03	81.83	80.00	
5,543.69				4/2/03	81.55	79.72	
5,543.77				5/1/03	81.47	79.64	
5,544.01				6/9/03	81.23	79.40	
5,544.05				7/7/03	81.19	79.36	
5,543.99				8/4/03	81.25	79.42	
5,544.17				9/11/03	81.07	79.24	
5,544.06				10/2/03	81.18	79.35	
5,544.03				11/7/03	81.21	79.38	
5,543.94				12/3/03	81.30	79.47	
5,543.98				1/15/04	81.26	79.43	
5,543.85				2/10/04	81.39	79.56	
5,544.05				3/28/04	81.19	79.36	
5,544.33				4/12/04	80.91	79.08	
5,544.55				5/13/04	80.69	78.86	
5,544.59				6/18/04	80.65	78.82	
5,545.08				7/28/04	80.16	78.33	
5,545.26				8/30/04	79.98	78.15	
5,545.48				9/16/04	79.76	77.93	
5,545.61				10/11/04	79.63	77.80	
5,545.46				11/16/04	79.78	77.95	
5,545.66				12/22/04	79.58	77.75	
5,545.33				1/18/05	79.91	78.08	
5,545.51				2/28/05	79.73	77.90	
5,545.57				3/15/05	79.67	77.84	
5,545.46				4/26/05	79.78	77.95	
5,545.45				5/24/05	79.79	77.96	
5,545.33				6/30/05	79.91	78.08	
5,545.16				7/29/05	80.08	78.25	
5,545.54				9/12/05	79.70	77.87	
5,545.77				12/7/05	79.47	77.64	
5,546.09				3/8/06	79.15	77.32	
5,545.94				6/13/06	79.30	77.47	
5,545.94				7/18/06	79.30	77.47	
5,546.24				11/7/06	79.00	77.17	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-17 (MW-32)**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.41	5,625.24	1.83				121.33
5546.81				2/27/07	78.43	76.6	
5546.56				5/2/07	78.68	76.85	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-18**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,585.13	5,639.13	5,641.28	2.15				121.33
5,585.41				8/23/02	56.15	54.00	
5,585.47				9/11/02	55.87	53.72	
5,585.40				10/23/02	55.81	53.66	
5,585.68				11/22/02	55.88	53.73	
5,585.90				12/3/02	55.60	53.45	
5,590.79				1/9/03	55.38	53.23	
5,586.18				2/12/03	50.49	48.34	
5,586.36				3/26/03	55.10	52.95	
5,586.24				4/2/03	54.92	52.77	
5,584.93				5/1/03	55.04	52.89	
5,584.46				6/9/03	56.35	54.20	
5,584.55				7/7/03	56.82	54.67	
5,584.01				8/4/03	56.73	54.58	
5,583.67				9/11/03	57.27	55.12	
5,583.50				10/2/03	57.61	55.46	
5,584.08				11/7/03	57.78	55.63	
5,585.45				12/3/03	57.20	55.05	
5,585.66				1/15/04	55.83	53.68	
5,586.13				2/10/04	55.62	53.47	
5,586.39				3/28/04	55.15	53.00	
5,586.66				4/12/04	54.89	52.74	
5,586.77				5/13/04	54.62	52.47	
5,587.35				6/18/04	54.51	52.36	
5,586.34				7/28/04	53.93	51.78	
5,585.85				8/30/04	54.94	52.79	
5,585.22				9/16/04	55.43	53.28	
5,584.70				10/11/04	56.06	53.91	
5,584.81				11/16/04	56.58	54.43	
5,584.68				12/22/04	56.47	54.32	
5,585.02				1/18/05	56.60	54.45	
5,585.25				2/28/05	56.26	54.11	
5,586.31				3/15/05	56.03	53.88	
5,586.97				4/26/05	54.97	52.82	
5,586.58				5/24/05	54.31	52.16	
5,586.10				6/30/05	54.70	52.55	
5,586.05				7/29/05	55.18	53.03	
5,585.86				9/12/05	55.23	53.08	
5,587.13				12/7/05	55.42	53.27	
5,585.93				3/8/06	54.15	52.00	
5,585.40				6/13/06	55.35	53.20	
5,585.38				7/18/06	55.88	53.73	
				11/7/06	55.90	53.75	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-18**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5585.83	5,639.13	5,641.28	2.15	2/27/07	55.45	53.30	121.33
5585.15				5/2/07	56.13	53.98	

## **Water Levels and Data over Time**

### **White Mesa Mill - Well TW4-19**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,581.88	5,629.53	5,631.39	1.86	8/23/02	49.51	47.65	
5,582.14				9/11/02	49.25	47.39	
5,582.06				10/23/02	49.33	47.47	
5,582.07				11/22/02	49.32	47.46	
5,582.16				12/3/02	49.23	47.37	
5,582.28				1/9/03	49.11	47.25	
5,582.29				2/12/03	49.10	47.24	
5,582.74				3/26/03	48.65	46.79	
5,582.82				4/2/03	48.57	46.71	
5,548.47				5/1/03	82.92	81.06	
5,564.76				6/9/03	66.63	64.77	
5,562.53				7/7/03	68.86	67.00	
5,564.10				8/4/03	67.29	65.43	
5,566.01				8/30/04	65.38	63.52	
5,555.16				9/16/04	76.23	74.37	
5,549.80				10/11/04	81.59	79.73	
5,546.04				11/16/04	85.35	83.49	
5,547.34				12/22/04	84.05	82.19	
5,548.77				1/18/05	82.62	80.76	
5,551.18				2/28/05	80.21	78.35	
5,556.81				3/15/05	74.58	72.72	
5,562.63				4/26/05	68.76	66.90	
5,573.42				5/24/05	57.97	56.11	
5,552.94				7/29/05	78.45	76.59	
5,554.00				9/12/05	77.39	75.53	
5,555.98				12/7/05	75.41	73.55	
5,552.00				3/8/06	79.39	77.53	
5,545.74				6/13/06	85.65	83.79	
5,544.06				7/18/06	87.33	85.47	
5,548.81				11/7/06	82.58	80.72	
5543.59				2/27/07	87.8	85.94	
5544.55				5/2/07	86.84	84.98	

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-20**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,628.52	5,629.53		1.01				106.0
5,565.70				7/29/05	63.83		
5,546.53				8/30/05	83.00		
5,540.29				9/12/05	89.24		
5,541.17				12/7/05	88.36		
5,540.33				3/8/06	89.20		
5,530.43				6/13/06	99.10		
5,569.13				7/18/06	60.40		
5,547.95				11/7/06	81.58		
5,550.58				2/27/07	80.28		
5,629.53				5/2/07	78.95		

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-21**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,638.20	5,639.35		1.15				120.92
5,582.98				7/29/2005	56.37		
5,583.43				8/30/2005	55.92		
5,581.87				9/12/2005	57.48		
5,580.50				12/7/2005	58.85		
5,583.64				3/8/2006	55.71		
5,580.55				6/13/2006	58.80		
5,578.95				7/18/2006	60.40		
5,578.47				11/7/2006	60.88		
5,579.53				2/27/2007	59.82		
5,578.07				5/2/2007	61.28		

**Water Levels and Data over Time**  
**White Mesa Mill - Well TW4-22**

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,627.83	5,629.00		1.17				113.5
5,571.89				7/29/05	57.11		
5,572.20				8/30/05	56.80		
5,572.08				9/12/05	56.92		
5,571.61				12/7/05	57.39		
5,571.85				3/8/06	57.15		
5,571.62				6/13/06	57.38		
5,571.42				7/18/06	57.58		
5,571.02				11/7/06	57.98		
5571.24				2/27/07	57.76		
5,570.75				6/29/07	58.25		

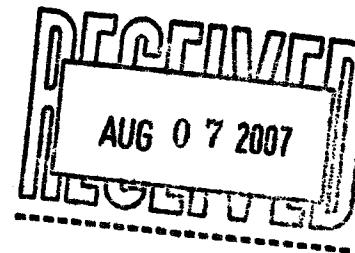
## ANALYTICAL SUMMARY REPORT

July 31, 2007

Denison Mines  
6425 S Hwy 191  
PO Box 809  
Blanding, UT 84511

Workorder No.: C07061553

Project Name: 2nd Quarter Chloroform Sampling Event



Energy Laboratories, Inc. received the following 30 samples from Denison Mines on 6/29/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C07061553-001	MW4	06/27/07 13:13	06/29/07	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C07061553-002	TW4-1	06/27/07 09:22	06/29/07	Aqueous	Same As Above
C07061553-003	TW4-2	06/27/07 09:53	06/29/07	Aqueous	Same As Above
C07061553-004	TW4-3	06/27/07 12:49	06/29/07	Aqueous	Same As Above
C07061553-005	TW4-4	06/27/07 09:13	06/29/07	Aqueous	Same As Above
C07061553-006	TW4-5	06/27/07 12:36	06/29/07	Aqueous	Same As Above
C07061553-007	TW4-6	06/27/07 09:01	06/29/07	Aqueous	Same As Above
C07061553-008	TW4-7	06/27/07 09:31	06/29/07	Aqueous	Same As Above
C07061553-009	TW4-8	06/27/07 09:42	06/29/07	Aqueous	Same As Above
C07061553-010	TW4-9	06/27/07 12:25	06/29/07	Aqueous	Same As Above
C07061553-011	TW4-10	06/27/07 13:01	06/29/07	Aqueous	Same As Above
C07061553-012	TW4-11	06/27/07 10:08	06/29/07	Aqueous	Same As Above
C07061553-013	TW4-12	06/27/07 08:10	06/29/07	Aqueous	Same As Above
C07061553-014	TW4-13	06/27/07 08:23	06/29/07	Aqueous	Same As Above
C07061553-015	TW4-14	06/27/07 08:33	06/29/07	Aqueous	Same As Above
C07061553-016	TW4-15	06/27/07 10:45	06/29/07	Aqueous	Same As Above
C07061553-017	TW4-16	06/27/07 10:32	06/29/07	Aqueous	Same As Above
C07061553-018	TW4-17	06/27/07 10:19	06/29/07	Aqueous	Same As Above
C07061553-019	TW4-18	06/27/07 14:42	06/29/07	Aqueous	Same As Above
C07061553-020	TW4-20	06/27/07 13:27	06/29/07	Aqueous	Same As Above
C07061553-021	TW4-21	06/27/07 14:32	06/29/07	Aqueous	Same As Above
C07061553-022	TW4-22	06/27/07 13:46	06/29/07	Aqueous	Same As Above
C07061553-023	TW4-23	06/27/07 08:48	06/29/07	Aqueous	Same As Above
C07061553-024	TW4-24	06/27/07 14:03	06/29/07	Aqueous	Same As Above

C07061553-025 TW4-25	06/27/07 14:19	06/29/07	Aqueous	Same As Above
C07061553-026 TW4-60	06/27/07 07:00	06/29/07	Aqueous	Same As Above
C07061553-027 TW-63	06/27/07 16:10	06/29/07	Aqueous	Same As Above
C07061553-028 TW4-65	06/27/07 13:27	06/29/07	Aqueous	Same As Above
C07061553-029 TW4-70	06/27/07 10:45	06/29/07	Aqueous	Same As Above
C07061553-030 Trip Blank		06/29/07	Aqueous	SW8260B VOCs, Standard List

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative or Report.

If you have any questions regarding these tests results, please call.

Report Approved By:

  
ROGER GARLING  
LABORATORY SUPERVISOR

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-001  
Client Sample ID: MW4

Report Date: 07/31/07  
Collection Date: 06/27/07 13:13  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	45	mg/L		1	A4500-Cl B	07/02/07 13:08 / jl	
Nitrogen, Nitrate+Nitrite as N	7.0	mg/L	D	0.2	E353.2	07/03/07 08:19 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	1.8	ug/L		1.0	SW8260B	07/04/07 03:40 / jlr	
Chloroform	2000	ug/L	D	50	SW8260B	07/04/07 03:02 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 03:40 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 03:40 / jlr	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	07/04/07 03:40 / jlr	
Surr: Dibromofluoromethane	100	%REC		70-130	SW8260B	07/04/07 03:40 / jlr	
Surr: p-Bromofluorobenzene	112	%REC		80-120	SW8260B	07/04/07 03:40 / jlr	
Surr: Toluene-d8	100	%REC		80-120	SW8260B	07/04/07 03:40 / jlr	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-002  
Client Sample ID: TW4-1

Report Date: 07/31/07  
Collection Date: 06/27/07 09:22  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	45	mg/L		1	A4500-Cl B	07/02/07 13:09 / jl	
Nitrogen, Nitrate+Nitrite as N	9.0	mg/L	D	0.2	E353.2	07/03/07 08:21 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	1.4	ug/L		1.0	SW8260B	07/04/07 05:34 / jlr	
Chloroform	1900	ug/L	D	50	SW8260B	07/04/07 04:56 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 05:34 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 05:34 / jlr	
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	SW8260B	07/04/07 05:34 / jlr	
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	07/04/07 05:34 / jlr	
Surr: p-Bromofluorobenzene	112	%REC		80-120	SW8260B	07/04/07 05:34 / jlr	
Surr: Toluene-d8	99.0	%REC		80-120	SW8260B	07/04/07 05:34 / jlr	

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-003  
Client Sample ID: TW4-2

Report Date: 07/31/07  
Collection Date: 06/27/07 09:53  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	50	mg/L		1	A4500-Cl B	07/02/07 13:10 / jl	
Nitrogen, Nitrate+Nitrite as N	7.8	mg/L	D	0.2	E353.2	07/03/07 08:24 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	2.5	ug/L		1.0	SW8260B	07/04/07 13:27 / jlr	
Chloroform	3000	ug/L	D	50	SW8260B	07/04/07 12:47 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 13:27 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 13:27 / jlr	
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120	SW8260B	07/04/07 13:27 / jlr	
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	07/04/07 13:27 / jlr	
Surr: p-Bromofluorobenzene	101	%REC		80-120	SW8260B	07/04/07 13:27 / jlr	
Surr: Toluene-d8	99.0	%REC		80-120	SW8260B	07/04/07 13:27 / jlr	

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-004  
Client Sample ID: TW4-3

Report Date: 07/31/07  
Collection Date: 06/27/07 12:49  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	23	mg/L		1	A4500-Cl B	07/02/07 13:11 / jlr	
Nitrogen, Nitrate+Nitrite as N	3.3	mg/L		0.1	E353.2	07/03/07 08:26 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/04/07 14:44 / jlr	
Chloroform	ND	ug/L		1.0	SW8260B	07/04/07 14:44 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 14:44 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 14:44 / jlr	
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120	SW8260B	07/04/07 14:44 / jlr	
Surr: Dibromofluoromethane	103	%REC		70-130	SW8260B	07/04/07 14:44 / jlr	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	07/04/07 14:44 / jlr	
Surr: Toluene-d8	98.0	%REC		80-120	SW8260B	07/04/07 14:44 / jlr	

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-005  
Client Sample ID: TW4-4

Report Date: 07/31/07  
Collection Date: 06/27/07 09:13  
DateReceived: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	47	mg/L		1	A4500-Cl B	07/02/07 13:12 / jl	
Nitrogen, Nitrate+Nitrite as N	9.4	mg/L		0.2	E353.2	07/03/07 08:29 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	1.7	ug/L		1.0	SW8260B	07/04/07 16:00 / jlr	
Chloroform	2400	ug/L	D	50	SW8260B	07/04/07 15:22 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 16:00 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 16:00 / jlr	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	07/04/07 16:00 / jlr	
Surr: Dibromofluoromethane	100	%REC		70-130	SW8260B	07/04/07 16:00 / jlr	
Surr: p-Bromofluorobenzene	109	%REC		80-120	SW8260B	07/04/07 16:00 / jlr	
Surr: Toluene-d8	99.0	%REC		80-120	SW8260B	07/04/07 16:00 / jlr	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-006  
Client Sample ID: TW4-5

Report Date: 07/31/07  
Collection Date: 06/27/07 12:36  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	45	mg/L		1	A4500-Cl B	07/02/07 13:19 / jlr	
Nitrogen, Nitrate+Nitrite as N	7.0	mg/L	D	0.2	E353.2	07/03/07 08:39 / jlr	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/04/07 17:15 / jlr	
Chloroform	26	ug/L		1.0	SW8260B	07/04/07 17:15 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 17:15 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 17:15 / jlr	
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120	SW8260B	07/04/07 17:15 / jlr	
Surr: Dibromofluoromethane	108	%REC		70-130	SW8260B	07/04/07 17:15 / jlr	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	07/04/07 17:15 / jlr	
Surr: Toluene-d8	100	%REC		80-120	SW8260B	07/04/07 17:15 / jlr	

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-007  
Client Sample ID: TW4-6

Report Date: 07/31/07  
Collection Date: 06/27/07 09:01  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	38	mg/L		1	A4500-CI B	07/02/07 13:20 / jl	
Nitrogen, Nitrate+Nitrite as N	0.6	mg/L		0.1	E353.2	07/03/07 08:41 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/04/07 17:53 / jl	
Chloroform	11	ug/L		1.0	SW8260B	07/04/07 17:53 / jl	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 17:53 / jl	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 17:53 / jl	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	07/04/07 17:53 / jl	
Surr: Dibromofluoromethane	114	%REC		70-130	SW8260B	07/04/07 17:53 / jl	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	07/04/07 17:53 / jl	
Surr: Toluene-d8	100	%REC		80-120	SW8260B	07/04/07 17:53 / jl	

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-008  
Client Sample ID: TW4-7

Report Date: 07/31/07  
Collection Date: 06/27/07 09:31  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	45	mg/L		1	A4500-Cl B	07/02/07 13:21 / jl	
Nitrogen, Nitrate+Nitrite as N	5.1	mg/L	D	0.2	E353.2	07/03/07 08:44 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	1.5	ug/L		1.0	SW8260B	07/04/07 22:20 / jlr	
Chloroform	2600	ug/L	D	50	SW8260B	07/07/07 00:10 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 22:20 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 22:20 / jlr	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	07/04/07 22:20 / jlr	
Surr: Dibromofluoromethane	105	%REC		70-130	SW8260B	07/04/07 22:20 / jlr	
Surr: p-Bromofluorobenzene	103	%REC		80-120	SW8260B	07/04/07 22:20 / jlr	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	07/04/07 22:20 / jlr	

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-009  
Client Sample ID: TW4-8

Report Date: 07/31/07  
Collection Date: 06/27/07 09:42  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	42	mg/L		1	A4500-Cl B	07/02/07 13:22 / jl	
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1	E353.2	07/03/07 08:46 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/04/07 22:58 / jlr	
Chloroform	2.5	ug/L		1.0	SW8260B	07/04/07 22:58 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 22:58 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 22:58 / jlr	
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120	SW8260B	07/04/07 22:58 / jlr	
Surr: Dibromofluoromethane	103	%REC		70-130	SW8260B	07/04/07 22:58 / jlr	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	07/04/07 22:58 / jlr	
Surr: Toluene-d8	99.0	%REC		80-120	SW8260B	07/04/07 22:58 / jlr	

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-010  
Client Sample ID: TW4-9

Report Date: 07/31/07  
Collection Date: 06/27/07 12:25  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	42	mg/L		1	A4500-Cl B	07/02/07 13:26 / jl	
Nitrogen, Nitrate+Nitrite as N	1.3	mg/L		0.1	E353.2	07/03/07 08:49 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/04/07 23:36 / jlr	
Chloroform	21	ug/L		1.0	SW8260B	07/04/07 23:36 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 23:36 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 23:36 / jlr	
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120	SW8260B	07/04/07 23:36 / jlr	
Surr: Dibromofluoromethane	106	%REC		70-130	SW8260B	07/04/07 23:36 / jlr	
Surr: p-Bromofluorobenzene	102	%REC		80-120	SW8260B	07/04/07 23:36 / jlr	
Surr: Toluene-d8	98.0	%REC		80-120	SW8260B	07/04/07 23:36 / jlr	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-011  
Client Sample ID: TW4-10

Report Date: 07/31/07  
Collection Date: 06/27/07 13:01  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	54	mg/L		1	A4500-Cl B	07/02/07 13:27 / jl	
Nitrogen, Nitrate+Nitrite as N	5.1	mg/L	D	0.2	E353.2	07/03/07 08:56 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/05/07 00:52 / jlr	
Chloroform	350	ug/L	D	50	SW8260B	07/05/07 00:14 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/05/07 00:52 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/05/07 00:52 / jlr	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	07/05/07 00:52 / jlr	
Surr: Dibromofluoromethane	103	%REC		70-130	SW8260B	07/05/07 00:52 / jlr	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	07/05/07 00:52 / jlr	
Surr: Toluene-d8	98.0	%REC		80-120	SW8260B	07/05/07 00:52 / jlr	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-012  
Client Sample ID: TW4-11

Report Date: 07/31/07  
Collection Date: 06/27/07 10:08  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	53	mg/L		1	A4500-Cl B	07/02/07 13:28 / jl	
Nitrogen, Nitrate+Nitrite as N	10.6	mg/L	D	0.2	E353.2	07/03/07 08:59 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	1.6	ug/L		1.0	SW8260B	07/04/07 19:08 / jlr	
Chloroform	3800	ug/L	D	100	SW8260B	07/04/07 18:31 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/04/07 19:08 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/04/07 19:08 / jlr	
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120	SW8260B	07/04/07 19:08 / jlr	
Surr: Dibromofluoromethane	108	%REC		70-130	SW8260B	07/04/07 19:08 / jlr	
Surr: p-Bromofluorobenzene	104	%REC		80-120	SW8260B	07/04/07 19:08 / jlr	
Surr: Toluene-d8	99.0	%REC		80-120	SW8260B	07/04/07 19:08 / jlr	

Report Definitions: RL - Analyte reporting limit.

QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-013  
Client Sample ID: TW4-12

Report Date: 07/31/07  
Collection Date: 06/27/07 08:10  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	18	mg/L		1	A4500-Cl B	07/02/07 13:30 / jl	
Nitrogen, Nitrate+Nitrite as N	1.5	mg/L		0.1	E353.2	07/03/07 09:01 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/05/07 02:09 / jlr	
Chloroform	ND	ug/L		1.0	SW8260B	07/05/07 02:09 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/05/07 02:09 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/05/07 02:09 / jlr	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	07/05/07 02:09 / jlr	
Surr: Dibromofluoromethane	101	%REC		70-130	SW8260B	07/05/07 02:09 / jlr	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	07/05/07 02:09 / jlr	
Surr: Toluene-d8	100	%REC		80-120	SW8260B	07/05/07 02:09 / jlr	

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-014  
Client Sample ID: TW4-13

Report Date: 07/31/07  
Collection Date: 06/27/07 08:23  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	59	mg/L		1	A4500-Cl B	07/02/07 13:34 / jl	
Nitrogen, Nitrate+Nitrite as N	4.6	mg/L	D	0.2	E353.2	07/03/07 09:04 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/05/07 02:47 / jl	
Chloroform	ND	ug/L		1.0	SW8260B	07/05/07 02:47 / jl	
Chloromethane	ND	ug/L		1.0	SW8260B	07/05/07 02:47 / jl	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/05/07 02:47 / jl	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	07/05/07 02:47 / jl	
Surr: Dibromofluoromethane	98.0	%REC		70-130	SW8260B	07/05/07 02:47 / jl	
Surr: p-Bromofluorobenzene	109	%REC		80-120	SW8260B	07/05/07 02:47 / jl	
Surr: Toluene-d8	100	%REC		80-120	SW8260B	07/05/07 02:47 / jl	

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-015  
Client Sample ID: TW4-14

Report Date: 07/31/07  
Collection Date: 06/27/07 08:33  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	38	mg/L		1	A4500-Cl B	07/02/07 13:35 / jl	
Nitrogen, Nitrate+Nitrite as N	1.4	mg/L		0.1	E353.2	07/03/07 09:06 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/05/07 03:25 / jlr	
Chloroform	ND	ug/L		1.0	SW8260B	07/05/07 03:25 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/05/07 03:25 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/05/07 03:25 / jlr	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	07/05/07 03:25 / jlr	
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	07/05/07 03:25 / jlr	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	07/05/07 03:25 / jlr	
Surr: Toluene-d8	98.0	%REC		80-120	SW8260B	07/05/07 03:25 / jlr	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-016  
Client Sample ID: TW4-15

Report Date: 07/31/07  
Collection Date: 06/27/07 10:45  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	49	mg/L		1	A4500-Cl B	07/02/07 13:36 / jl	
Nitrogen, Nitrate+Nitrite as N	0.4	mg/L		0.1	E353.2	07/03/07 09:16 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/05/07 06:35 / jlr	
Chloroform	300	ug/L	D	10	SW8260B	07/05/07 05:57 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/05/07 06:35 / jlr	
Methylene chloride	13	ug/L		1.0	SW8260B	07/05/07 06:35 / jlr	
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120	SW8260B	07/05/07 06:35 / jlr	
Surr: Dibromofluoromethane	114	%REC		70-130	SW8260B	07/05/07 06:35 / jlr	
Surr: p-Bromofluorobenzene	104	%REC		80-120	SW8260B	07/05/07 06:35 / jlr	
Surr: Toluene-d8	99.0	%REC		80-120	SW8260B	07/05/07 06:35 / jlr	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-017  
Client Sample ID: TW4-16

Report Date: 07/31/07  
Collection Date: 06/27/07 10:32  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	75	mg/L		1	A4500-CI B	07/02/07 13:37 / jl	
Nitrogen, Nitrate+Nitrite as N	9.9	mg/L	D	0.2	E353.2	07/03/07 09:19 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/05/07 04:03 / jlr	
Chloroform	2.6	ug/L		1.0	SW8260B	07/05/07 04:03 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/05/07 04:03 / jlr	
Methylene chloride	1.8	ug/L		1.0	SW8260B	07/05/07 04:03 / jlr	
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120	SW8260B	07/05/07 04:03 / jlr	
Surr: Dibromofluoromethane	100	%REC		70-130	SW8260B	07/05/07 04:03 / jlr	
Surr: p-Bromofluorobenzene	104	%REC		80-120	SW8260B	07/05/07 04:03 / jlr	
Surr: Toluene-d8	99.0	%REC		80-120	SW8260B	07/05/07 04:03 / jlr	

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-018  
Client Sample ID: TW4-17

Report Date: 07/31/07  
Collection Date: 06/27/07 10:19  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	32	mg/L		1	A4500-Cl B	07/02/07 13:38 / jl	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	07/03/07 09:21 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/05/07 04:41 / jlr	
Chloroform	ND	ug/L		1.0	SW8260B	07/05/07 04:41 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/05/07 04:41 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/05/07 04:41 / jlr	
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120	SW8260B	07/05/07 04:41 / jlr	
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	07/05/07 04:41 / jlr	
Surr: p-Bromofluorobenzene	103	%REC		80-120	SW8260B	07/05/07 04:41 / jlr	
Surr: Toluene-d8	98.0	%REC		80-120	SW8260B	07/05/07 04:41 / jlr	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-019  
Client Sample ID: TW4-18

Report Date: 07/31/07  
Collection Date: 06/27/07 14:42  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	28	mg/L		1	A4500-CI B	07/02/07 13:43 / jl	
Nitrogen, Nitrate+Nitrite as N	4.9	mg/L	D	0.2	E353.2	07/03/07 09:24 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/05/07 05:19 / jlr	
Chloroform	8.0	ug/L		1.0	SW8260B	07/05/07 05:19 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	07/05/07 05:19 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/05/07 05:19 / jlr	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	07/05/07 05:19 / jlr	
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	07/05/07 05:19 / jlr	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	07/05/07 05:19 / jlr	
Surr: Toluene-d8	98.0	%REC		80-120	SW8260B	07/05/07 05:19 / jlr	

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-020  
Client Sample ID: TW4-20

Report Date: 07/31/07  
Collection Date: 06/27/07 13:27  
DateReceived: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	112	mg/L		1	A4500-CI B	07/02/07 13:56 / jl	
Nitrogen, Nitrate+Nitrite as N	2.3	mg/L		0.1	E353.2	07/03/07 09:26 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	2.2	ug/L		1.0	SW8260B	07/07/07 02:40 / dkh	
Chloroform	1800	ug/L	D	50	SW8260B	07/07/07 00:48 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 02:40 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 02:40 / dkh	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	07/07/07 02:40 / dkh	
Surr: Dibromofluoromethane	107	%REC		70-130	SW8260B	07/07/07 02:40 / dkh	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	07/07/07 02:40 / dkh	
Surr: Toluene-d8	103	%REC		80-120	SW8260B	07/07/07 02:40 / dkh	

Report Definitions: RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-021  
Client Sample ID: TW4-21

Report Date: 07/31/07  
Collection Date: 06/27/07 14:32  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	327	mg/L		1	A4500-Cl B	07/02/07 13:58 / jl	
Nitrogen, Nitrate+Nitrite as N	8.6	mg/L	D	0.2	E353.2	07/03/07 09:36 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	5.8	ug/L		1.0	SW8260B	07/07/07 03:18 / dkh	
Chloroform	300	ug/L	D	5.0	SW8260B	07/07/07 02:03 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 03:18 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 03:18 / dkh	
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120	SW8260B	07/07/07 03:18 / dkh	
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	07/07/07 03:18 / dkh	
Surr: p-Bromofluorobenzene	104	%REC		80-120	SW8260B	07/07/07 03:18 / dkh	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	07/07/07 03:18 / dkh	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-022  
Client Sample ID: TW4-22

Report Date: 07/31/07  
Collection Date: 06/27/07 13:46  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	273	mg/L		1	A4500-Cl B	07/02/07 14:57 / jl	
Nitrogen, Nitrate+Nitrite as N	19.3	mg/L	D	0.3	E353.2	07/03/07 09:39 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/07/07 03:55 / dkh	
Chloroform	740	ug/L	D	10	SW8260B	07/07/07 01:26 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 03:55 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 03:55 / dkh	
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120	SW8260B	07/07/07 03:55 / dkh	
Surr: Dibromofluoromethane	101	%REC		70-130	SW8260B	07/07/07 03:55 / dkh	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	07/07/07 03:55 / dkh	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	07/07/07 03:55 / dkh	

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-023  
Client Sample ID: TW4-23

Report Date: 07/31/07  
Collection Date: 06/27/07 08:48  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	47	mg/L		1	A4500-Cl B	07/02/07 15:01 / jl	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	07/03/07 09:41 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/07/07 06:29 / dkh	
Chloroform	ND	ug/L		1.0	SW8260B	07/07/07 06:29 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 06:29 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 06:29 / dkh	
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120	SW8260B	07/07/07 06:29 / dkh	
Surr: Dibromofluoromethane	103	%REC		70-130	SW8260B	07/07/07 06:29 / dkh	
Surr: p-Bromofluorobenzene	104	%REC		80-120	SW8260B	07/07/07 06:29 / dkh	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	07/07/07 06:29 / dkh	

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.



## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-024  
Client Sample ID: TW4-24

Report Date: 07/31/07  
Collection Date: 06/27/07 14:03  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	770	mg/L		1	A4500-Cl B	07/02/07 15:02 / jl	
Nitrogen, Nitrate+Nitrite as N	26.1	mg/L	D	0.8	E353.2	07/03/07 09:44 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/07/07 07:45 / dkh	
Chloroform	2.6	ug/L		1.0	SW8260B	07/07/07 07:45 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 07:45 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 07:45 / dkh	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	07/07/07 07:45 / dkh	
Surr: Dibromofluoromethane	105	%REC		70-130	SW8260B	07/07/07 07:45 / dkh	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	07/07/07 07:45 / dkh	
Surr: Toluene-d8	101	%REC		80-120	SW8260B	07/07/07 07:45 / dkh	

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix interference.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-025  
Client Sample ID: TW4-25

Report Date: 07/31/07  
Collection Date: 06/27/07 14:19  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	395	mg/L		1	A4500-Cl B	07/02/07 15:03 / jl	
Nitrogen, Nitrate+Nitrite as N	17.1	mg/L	D	0.8	E353.2	07/03/07 09:46 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/07/07 09:00 / dkh	
Chloroform	ND	ug/L		1.0	SW8260B	07/07/07 09:00 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 09:00 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 09:00 / dkh	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	07/07/07 09:00 / dkh	
Surr: Dibromofluoromethane	105	%REC		70-130	SW8260B	07/07/07 09:00 / dkh	
Surr: p-Bromofluorobenzene	103	%REC		80-120	SW8260B	07/07/07 09:00 / dkh	
Surr: Toluene-d8	103	%REC		80-120	SW8260B	07/07/07 09:00 / dkh	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-026  
Client Sample ID: TW4-60

Report Date: 07/31/07  
Collection Date: 06/27/07 07:00  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	ND	mg/L		1	A4500-Cl B	07/02/07 15:05 / jl	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	07/03/07 09:56 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/07/07 10:55 / dkh	
Chloroform	190	ug/L	D	5.0	SW8260B	07/09/07 16:48 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 10:55 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 10:55 / dkh	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	07/07/07 10:55 / dkh	
Surr: Dibromofluoromethane	100	%REC		70-130	SW8260B	07/07/07 10:55 / dkh	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	07/07/07 10:55 / dkh	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	07/07/07 10:55 / dkh	

Report Definitions: RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-027  
Client Sample ID: TW-63

Report Date: 07/31/07  
Collection Date: 06/27/07 16:10  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	ND	mg/L		1	A4500-CI B	07/02/07 15:05 / jl	
Nitrogen, Nitrate+Nitrite as N	0.1	mg/L		0.1	E353.2	07/03/07 09:59 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/07/07 11:33 / dkh	
Chloroform	50	ug/L		1.0	SW8260B	07/07/07 11:33 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 11:33 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 11:33 / dkh	
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120	SW8260B	07/07/07 11:33 / dkh	
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	07/07/07 11:33 / dkh	
Surr: p-Bromofluorobenzene	102	%REC		80-120	SW8260B	07/07/07 11:33 / dkh	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	07/07/07 11:33 / dkh	

Report Definitions: RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-028  
Client Sample ID: TW4-65

Report Date: 07/31/07  
Collection Date: 06/27/07 13:27  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	125	mg/L		1	A4500-Cl B	07/02/07 15:07 / jl	
Nitrogen, Nitrate+Nitrite as N	1.9	mg/L		0.1	E353.2	07/03/07 10:01 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	1.9	ug/L		1.0	SW8260B	07/07/07 12:10 / dkh	
Chloroform	1700	ug/L	D	250	SW8260B	07/06/07 23:32 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 12:10 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 12:10 / dkh	
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120	SW8260B	07/07/07 12:10 / dkh	
Surr: Dibromofluoromethane	99.0	%REC		70-130	SW8260B	07/07/07 12:10 / dkh	
Surr: p-Bromofluorobenzene	103	%REC		80-120	SW8260B	07/07/07 12:10 / dkh	
Surr: Toluene-d8	100	%REC		80-120	SW8260B	07/07/07 12:10 / dkh	

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-029  
Client Sample ID: TW4-70

Report Date: 07/31/07  
Collection Date: 06/27/07 10:45  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>MAJOR IONS</b>							
Chloride	53	mg/L		1	A4500-CI B	07/02/07 15:10 / ji	
Nitrogen, Nitrate+Nitrite as N	0.6	mg/L		0.1	E353.2	07/03/07 10:04 / jal	
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/07/07 10:17 / dkh	
Chloroform	400	ug/L	D	10	SW8260B	07/09/07 15:33 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 10:17 / dkh	
Methylene chloride	18	ug/L		1.0	SW8260B	07/07/07 10:17 / dkh	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	07/07/07 10:17 / dkh	
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	07/07/07 10:17 / dkh	
Surr: p-Bromofluorobenzene	107	%REC		80-120	SW8260B	07/07/07 10:17 / dkh	
Surr: Toluene-d8	101	%REC		80-120	SW8260B	07/07/07 10:17 / dkh	

Report Definitions: RL - Analyte reporting limit.  
QCL - Quality control limit.  
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## LABORATORY ANALYTICAL REPORT

Client: Denison Mines  
Project: 2nd Quarter Chloroform Sampling Event  
Lab ID: C07061553-030  
Client Sample ID: Trip Blank

Report Date: 07/31/07  
Collection Date: 06/27/07 16:10  
Date Received: 06/29/07  
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>VOLATILE ORGANIC COMPOUNDS</b>							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	07/07/07 05:50 / dkh	
Chloroform	ND	ug/L		1.0	SW8260B	07/07/07 05:50 / dkh	
Chloromethane	ND	ug/L		1.0	SW8260B	07/07/07 05:50 / dkh	
Methylene chloride	ND	ug/L		1.0	SW8260B	07/07/07 05:50 / dkh	
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120	SW8260B	07/07/07 05:50 / dkh	
Surr: Dibromofluoromethane	99.0	%REC		70-130	SW8260B	07/07/07 05:50 / dkh	
Surr: p-Bromofluorobenzene	102	%REC		80-120	SW8260B	07/07/07 05:50 / dkh	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	07/07/07 05:50 / dkh	

Report RL - Analyte reporting limit.  
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.  
ND - Not detected at the reporting limit.

## QA/QC Summary Report

**Client:** Denison Mines  
**Project:** 2nd Quarter Chloroform Sampling Event

**Report Date:** 07/31/07  
**Work Order:** C07061553

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method:</b> A4500-CI B									Batch: 070702A-CL-TTR-W
Sample ID: MBLK9-070702A	Method Blank					Run: TITRATION_070702A	07/02/07 13:03		
Chloride	ND	mg/L	0.4						
Sample ID: C07061553-009AMS	Sample Matrix Spike					Run: TITRATION_070702A	07/02/07 13:23		
Chloride	114	mg/L	1.0	100	90	110			
Sample ID: C07061553-009AMSD	Sample Matrix Spike Duplicate					Run: TITRATION_070702A	07/02/07 13:24		
Chloride	114	mg/L	1.0	100	90	110	0.0	10	
Sample ID: C07061553-019AMS	Sample Matrix Spike					Run: TITRATION_070702A	07/02/07 13:44		
Chloride	99.2	mg/L	1.0	100	90	110			
Sample ID: C07061553-019AMSD	Sample Matrix Spike Duplicate					Run: TITRATION_070702A	07/02/07 13:46		
Chloride	99.2	mg/L	1.0	100	90	110	0.0	10	
Sample ID: LCS35-070702A	Laboratory Control Sample					Run: TITRATION_070702A	07/02/07 13:47		
Chloride	3560	mg/L	1.0	100	90	110			
Sample ID: MBLK36-070702A	Method Blank					Run: TITRATION_070702A	07/02/07 13:47		
Chloride	ND	mg/L	0.4						
Sample ID: C07061553-029AMS	Sample Matrix Spike					Run: TITRATION_070702A	07/02/07 15:11		
Chloride	231	mg/L	1.0	100	90	110			
Sample ID: C07061553-029AMSD	Sample Matrix Spike Duplicate					Run: TITRATION_070702A	07/02/07 15:11		
Chloride	231	mg/L	1.0	100	90	110	0.0	10	
Sample ID: C07061566-009CMS	Sample Matrix Spike					Run: TITRATION_070702A	07/02/07 15:24		
Chloride	91.7	mg/L	1.0	100	90	110			
Sample ID: C07061566-009CMDS	Sample Matrix Spike Duplicate					Run: TITRATION_070702A	07/02/07 15:25		
Chloride	91.7	mg/L	1.0	100	90	110	0.0	10	
Sample ID: LCS62-070702A	Laboratory Control Sample					Run: TITRATION_070702A	07/02/07 15:28		
Chloride	3560	mg/L	1.0	100	90	110			

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

## QA/QC Summary Report

**Client:** Denison Mines

**Report Date:** 07/31/07

**Project:** 2nd Quarter Chloroform Sampling Event

**Work Order:** C07061553

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method:</b> E353.2	Batch: A2007-07-02_1_NO3_01								
<b>Sample ID:</b> MBLK-1 Nitrogen, Nitrate+Nitrite as N	Method Blank ND	mg/L	0.03		Run: TECHNICON_070703A				07/03/07 08:14
<b>Sample ID:</b> LCS-2 Nitrogen, Nitrate+Nitrite as N	Laboratory Control Sample 2.49	mg/L	0.10	98	90	110			07/03/07 08:16
<b>Sample ID:</b> C07061553-004BMS Nitrogen, Nitrate+Nitrite as N	Sample Matrix Spike 5.30	mg/L	0.10	101	90	110			07/03/07 08:31
<b>Sample ID:</b> C07061553-004BMSD Nitrogen, Nitrate+Nitrite as N	Sample Matrix Spike Duplicate 5.43	mg/L	0.10	108	90	110	2.4		07/03/07 08:34
<b>Sample ID:</b> MBLK-17 Nitrogen, Nitrate+Nitrite as N	Method Blank ND	mg/L	0.03		Run: TECHNICON_070703A				07/03/07 08:54
<b>Sample ID:</b> C07061553-015BMS Nitrogen, Nitrate+Nitrite as N	Sample Matrix Spike 3.50	mg/L	0.10	106	90	110			07/03/07 09:09
<b>Sample ID:</b> C07061553-015BMSD Nitrogen, Nitrate+Nitrite as N	Sample Matrix Spike Duplicate 3.50	mg/L	0.10	106	90	110	2.8		07/03/07 09:11
<b>Sample ID:</b> LCS-33 Nitrogen, Nitrate+Nitrite as N	Laboratory Control Sample 2.49	mg/L	0.10	98	90	110			07/03/07 09:34
<b>Sample ID:</b> C07061553-023BMS Nitrogen, Nitrate+Nitrite as N	Sample Matrix Spike 2.18	mg/L	0.10	107	90	110			07/03/07 09:49
<b>Sample ID:</b> C07061553-023BMSD Nitrogen, Nitrate+Nitrite as N	Sample Matrix Spike Duplicate 2.12	mg/L	0.10	104	90	110	2.8		07/03/07 09:51

**Qualifiers:**

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## QA/QC Summary Report

**Client:** Denison Mines

**Report Date:** 07/31/07

**Project:** 2nd Quarter Chloroform Sampling Event

**Work Order:** C07061553

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method: SW8260B</b>									Batch: R85941
Sample ID: 070307_LCS_2	Laboratory Control Sample Run: SATURNCA_070703A 07/03/07 10:46								
Carbon tetrachloride	5.0	ug/L	1.0	99	70	130			
Chloroform	4.9	ug/L	1.0	98	70	130			
Chloromethane	3.3	ug/L	1.0	67	70	130			S
Methylene chloride	5.6	ug/L	1.0	111	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	103	70	130			
Surr: p-Bromofluorobenzene			1.0	101	80	130			
Surr: Toluene-d8			1.0	100	80	120			
- One analyte is outside of acceptance range. The sample meets the remainder of the QA criteria, therefore this batch is approved.									
Sample ID: 070307_MBLK_4	Method Blank Run: SATURNCA_070703A 07/03/07 12:02								
Carbon tetrachloride	ND	ug/L		0.5					
Chloroform	ND	ug/L		0.5					
Chloromethane	ND	ug/L		0.5					
Methylene chloride	ND	ug/L		0.5					
Surr: 1,2-Dichlorobenzene-d4				104	80	120			
Surr: Dibromofluoromethane				102	70	130			
Surr: p-Bromofluorobenzene				107	80	120			
Surr: Toluene-d8				102	80	120			
Sample ID: C07061464-017AMS	Sample Matrix Spike Run: SATURNCA_070703A 07/03/07 20:02								
Carbon tetrachloride	230	ug/L	10	115	70	130			
Chloroform	220	ug/L	10	112	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	103	70	130			
Surr: p-Bromofluorobenzene			1.0	103	80	120			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: C07061464-017AMSD	Sample Matrix Spike Duplicate Run: SATURNCA_070703A 07/03/07 20:40								
Carbon tetrachloride	200	ug/L	10	101	70	130	13		20
Chloroform	200	ug/L	10	101	70	130	11		20
Surr: 1,2-Dichlorobenzene-d4			1.0	105	80	120	0.0		10
Surr: Dibromofluoromethane			1.0	101	70	130	0.0		10
Surr: p-Bromofluorobenzene			1.0	101	80	120	0.0		10
Surr: Toluene-d8			1.0	101	80	120	0.0		10
Sample ID: C07061553-002CMS	Sample Matrix Spike Run: SATURNCA_070703A 07/04/07 06:12								
Carbon tetrachloride	1000	ug/L	50	101	70	130			
Chloroform	3000	ug/L	50	111	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	106	80	120			
Surr: Dibromofluoromethane			1.0	100	70	130			
Surr: p-Bromofluorobenzene			1.0	105	80	120			
Surr: Toluene-d8			1.0	101	80	120			

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

**QA/QC Summary Report****Client:** Denison Mines**Report Date:** 07/31/07**Project:** 2nd Quarter Chloroform Sampling Event**Work Order:** C07061553

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R85941
Sample ID: C07061553-002CMSD	Sample Matrix Spike Duplicate								Run: SATURNCA_070703A 07/04/07 06:51
Carbon tetrachloride	1000	ug/L	50	101	70	130	0.8	20	
Chloroform	2900	ug/L	50	98	70	130	4.5	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	106	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	96	70	130	0.0	10	
Surr: p-Bromofluorobenzene			1.0	104	80	120	0.0	10	
Surr: Toluene-d8			1.0	98	80	120	0.0	10	

**Qualifiers:**

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

## QA/QC Summary Report

Client: Denison Mines

Report Date: 07/31/07

Project: 2nd Quarter Chloroform Sampling Event

Work Order: C07061553

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									
Sample ID: 070407_LCS_2	Batch: R85962								
Carbon tetrachloride	4.8	ug/L	1.0	95	70	130			
Chloroform	4.7	ug/L	1.0	94	70	130			
Chloromethane	3.1	ug/L	1.0	62	70	130			S
Methylene chloride	4.8	ug/L	1.0	95	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Surr: Dibromofluoromethane			1.0	106	70	130			
Surr: p-Bromofluorobenzene			1.0	101	80	130			
Surr: Toluene-d8			1.0	94	80	120			
- One analyte is outside of acceptance range. The sample meets the remainder of the QA criteria, therefore this batch is approved.									
Sample ID: 070407_MBLK_4	Run: SATURNCA_070704A								
Carbon tetrachloride	ND	ug/L		0.5					
Chloroform	ND	ug/L		0.5					
Chloromethane	ND	ug/L		0.5					
Methylene chloride	ND	ug/L		0.5					
Surr: 1,2-Dichlorobenzene-d4				101	80	120			
Surr: Dibromofluoromethane				106	70	130			
Surr: p-Bromofluorobenzene				106	80	120			
Surr: Toluene-d8				98	80	120			
Sample ID: C07061553-012CMS	Run: SATURNCA_070704A								
Carbon tetrachloride	2000	ug/L	100	101	70	130			
Chloroform	6000	ug/L	100	112	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	105	80	120			
Surr: Dibromofluoromethane			1.0	103	70	130			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Sample ID: C07061553-012CMSD	Run: SATURNCA_070704A								
Carbon tetrachloride	2100	ug/L	100	104	70	130	3.5	20	
Chloroform	5800	ug/L	100	102	70	130	3.4	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	104	70	130	0.0	10	
Surr: p-Bromofluorobenzene			1.0	103	80	120	0.0	10	
Surr: Toluene-d8			1.0	103	80	120	0.0	10	
Sample ID: C07061553-016CMS	Run: SATURNCA_070704A								
Carbon tetrachloride	200	ug/L	10	102	70	130			
Chloroform	510	ug/L	10	103	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Surr: Dibromofluoromethane			1.0	103	70	130			
Surr: p-Bromofluorobenzene			1.0	107	80	120			
Surr: Toluene-d8			1.0	101	80	120			

## Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

## QA/QC Summary Report

**Client:** Denison Mines**Report Date:** 07/31/07**Project:** 2nd Quarter Chloroform Sampling Event**Work Order:** C07061553

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R85962
Sample ID: C07061553-016CMSD	Sample Matrix Spike Duplicate								Run: SATURNCA_070704A 07/05/07 07:51
Carbon tetrachloride	200	ug/L	10	102	70	130	0.4	20	
Chloroform	520	ug/L	10	108	70	130	2.0	20	
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120	0.0	10	
Surr: Dibromofluoromethane			1.0	101	70	130	0.0	10	
Surr: p-Bromofluorobenzene			1.0	107	80	120	0.0	10	
Surr: Toluene-d8			1.0	98	80	120	0.0	10	

**Qualifiers:**

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## QA/QC Summary Report

Client: Denison Mines

Report Date: 07/31/07

Project: 2nd Quarter Chloroform Sampling Event

Work Order: C07061553

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B	Batch: R86132								
Sample ID: 06-Jul-07_LCS_1	Laboratory Control Sample Run: GCMS2_070706A 07/06/07 11:03								
Carbon tetrachloride	5.4	ug/L	1.0	108	70	130			
Chloroform	5.8	ug/L	1.0	117	70	130			
Chloromethane	4.3	ug/L	1.0	86	70	130			
Methylene chloride	5.5	ug/L	1.0	110	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	95	80	120			
Surr: Dibromofluoromethane			1.0	96	70	130			
Surr: p-Bromofluorobenzene			1.0	98	80	130			
Surr: Toluene-d8			1.0	100	80	120			
Sample ID: 06-Jul-07_MBLK_3	Method Blank Run: GCMS2_070706A 07/06/07 12:18								
Carbon tetrachloride	ND	ug/L	0.5						
Chloroform	ND	ug/L	0.5						
Chloromethane	ND	ug/L	0.5						
Methylene chloride	ND	ug/L	0.5						
Surr: 1,2-Dichlorobenzene-d4			100		80	120			
Surr: Dibromofluoromethane			95		70	130			
Surr: p-Bromofluorobenzene			102		80	120			
Surr: Toluene-d8			101		80	120			
Sample ID: C07070025-002CMS	Sample Matrix Spike Run: GCMS2_070706A 07/06/07 19:10								
Carbon tetrachloride	200	ug/L	10	102	70	130			
Chloroform	220	ug/L	10	108	70	130			
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120			
Surr: Dibromofluoromethane			1.0	97	70	130			
Surr: p-Bromofluorobenzene			1.0	102	80	120			
Surr: Toluene-d8			1.0	101	80	120			
Sample ID: C07070025-002CMSD	Sample Matrix Spike Duplicate Run: GCMS2_070706A 07/06/07 19:47								
Carbon tetrachloride	210	ug/L	10	104	70	130	2.3		20
Chloroform	220	ug/L	10	110	70	130	1.8		20
Surr: 1,2-Dichlorobenzene-d4			1.0	98	80	120	0.0		10
Surr: Dibromofluoromethane			1.0	94	70	130	0.0		10
Surr: p-Bromofluorobenzene			1.0	100	80	120	0.0		10
Surr: Toluene-d8			1.0	100	80	120	0.0		10

## Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.





# Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: <b>International Uranium Corporation</b>	Contact Name, Phone, Fax, E-mail: <b>Charles Orvin</b>	Project Name, PWS#, Permit#, Etc.: <b>2nd Quarter Chloroform Sampling</b>	Purchase Order #: <b>435-678-2221/435-678-2224</b>	ELI Quote #:																																																							
Report Mail Address: <b>P.O. Box 809 Blanding U.T. 84511</b>	Invoice Contact & Phone #: <b>Charles Orvin 435-678-2221</b>	Sampler Name if other than Contact:																																																									
<p align="center"><b>- Same -</b></p> <table border="1"> <tr> <td>Report Required For:</td> <td>POTW/WWTP <input type="checkbox"/></td> <td>DW <input type="checkbox"/></td> <td>ANALYSIS REQUESTED</td> <td>Notify ELI prior to RUSH sample submittal for additional charges and scheduling</td> </tr> <tr> <td colspan="3">Special Report Formats - ELI must be notified prior to sample submittal for the following:</td> <td>Comments:</td> <td></td> </tr> <tr> <td colspan="3">NELAC <input type="checkbox"/> A2LA <input type="checkbox"/> Level IV <input type="checkbox"/></td> <td></td> <td></td> </tr> <tr> <td colspan="3">Other _____</td> <td></td> <td></td> </tr> <tr> <td colspan="3">EDDIEDT <input type="checkbox"/> Format _____</td> <td></td> <td></td> </tr> </table>					Report Required For:	POTW/WWTP <input type="checkbox"/>	DW <input type="checkbox"/>	ANALYSIS REQUESTED	Notify ELI prior to RUSH sample submittal for additional charges and scheduling	Special Report Formats - ELI must be notified prior to sample submittal for the following:			Comments:		NELAC <input type="checkbox"/> A2LA <input type="checkbox"/> Level IV <input type="checkbox"/>					Other _____					EDDIEDT <input type="checkbox"/> Format _____																																		
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<p align="center"><b>CUSTODY RECORD</b></p> <p align="center"><b>RElinquished by (print):</b> <i>Charles Orvin 6/28/01</i> <b>Received by (print):</b> <i>Charles Orvin</i> <b>Date/Time:</b> <i>6/28/01</i> <b>Signature:</b> <i>Charles Orvin</i></p> <p align="center"><b>Sample Disposal:</b> <b>Return to client:</b> <input type="checkbox"/> <b>Lab Disposal:</b> <input type="checkbox"/></p>																																																											
<p align="center"><b>LABORATORY USE ONLY</b></p> <p align="center"><b>Sample Type:</b> <input type="checkbox"/> <b># of fractions:</b> <input type="checkbox"/></p> <p align="center"><b>In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report.</b></p> <p align="center"><b>Visit our web site at <a href="http://www.energylab.com">www.energylab.com</a> for additional information, downloadable fee schedule, forms, &amp; links.</b></p>																																																											

# Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Report Mail Address: Blanding U.T. 84511	Project Name, PWS #, Permit #, Etc.: 2nd Quarter Chloroform Sampling	Sampler Name if other than Contact: Charles Orvin 435-678-2221/435-678-2224																																																
Invoice Address:	Invoice Contact & Phone #: Same -	Purchase Order #: ELI Quote #:																																																
Report Required For: <input checked="" type="checkbox"/> POTW/WWTP <input type="checkbox"/> DW <input type="checkbox"/> Other _____	ANALYSIS REQUESTED Special Report Formats - ELI must be notified prior to sample submittal for the following: <input checked="" type="checkbox"/> NELAC <input type="checkbox"/> A2LA <input type="checkbox"/> Level IV <input type="checkbox"/> EDD/EDT <input type="checkbox"/> Format _____	Notify ELI prior to RUSH sample submittal for additional charges and scheduling Comments: RUSH Turnaround (TAT) Normal Turnaround (TAT)																																																
Number of Containers Sample Type: A W S V B O Air/Water/Solids/Solids Legebration Bioassay Other		SEE ATTACHED																																																
<p style="text-align: center;">Nitrile / Nitrite Inorganic Chloride CHCl<sub>3</sub> Chloroform</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)</th> <th>Collection Date</th> <th>Collection Time</th> <th>MATRIX</th> </tr> </thead> <tbody> <tr><td>TW4-10</td><td>6-27-01</td><td>1301</td><td>5-W</td></tr> <tr><td>TW4-11</td><td></td><td>1008</td><td></td></tr> <tr><td>TW4-12</td><td></td><td>0810</td><td></td></tr> <tr><td>TW4-13</td><td></td><td>0823</td><td></td></tr> <tr><td>TW4-14</td><td></td><td>0833</td><td></td></tr> <tr><td>TW4-15</td><td></td><td>1045</td><td></td></tr> <tr><td>TW4-16</td><td></td><td>1032</td><td></td></tr> <tr><td>TW4-17</td><td></td><td>1019</td><td></td></tr> <tr><td>TW4-18</td><td></td><td>1442</td><td></td></tr> <tr><td>TW4-19</td><td></td><td>1007</td><td></td></tr> <tr><td colspan="4" style="text-align: center;">Sorry</td></tr> </tbody> </table>			SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	TW4-10	6-27-01	1301	5-W	TW4-11		1008		TW4-12		0810		TW4-13		0823		TW4-14		0833		TW4-15		1045		TW4-16		1032		TW4-17		1019		TW4-18		1442		TW4-19		1007		Sorry			
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Relinquished by (print): Charles Orvin 6/28/07 (1200)		Date/Time: 06/28/07 12:00 Received by (print): Charles Orvin Signature: <i>Charles Orvin</i>																																																
Custody Record MUST be Signed		Lab Disposal: Return to client Signature: <i>Charles Orvin</i> Date/Time: <i>6/28/07 12:00</i>																																																
Sample Disposal:		Sample Type: LABORATORY USE ONLY # of fractions: <i>1</i>																																																

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Visit our web site at [www.enervatilab.com](http://www.enervatilab.com) for additional information. downloadable fee schedule. forms. & links.

Signature: *John H. Harkins*

# Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: <b>International Uranium Corporation</b>	Report Mail Address: <b>P.O. Box 809 Blanding, U.T. 84511</b>	Project Name, PWS #, Permit #, Etc.: <b>Charles Orvin 435-678-2221/435-678-2224</b>	Contact Name, Phone, Fax, E-mail: <b>Charles Orvin</b>	Sampler Name if other than Contact: <b>SampliNG</b>																			
Invoice Address: <b>- Same -</b>	Invoice Contact & Phone #: <b>435-678-2221</b>	Purchase Order #: <b>ELI Quote #:</b>																					
<table border="1"> <tr> <td>Report Required For:</td> <td>POTWWWWTP <input type="checkbox"/> DW <input type="checkbox"/></td> <td>ANALYSIS REQUESTED</td> <td>Notify ELI prior to RUSH sample submittal for additional charges and scheduling</td> <td>Comments:</td> <td>Shipped by: <i>John</i></td> </tr> <tr> <td>Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC <input type="checkbox"/> A2LA <input type="checkbox"/> Other _____</td> <td>EDD/EDT <input type="checkbox"/> Format _____</td> <td colspan="3">RUSH Turnaround (TAT) Normal Turnaround (TAT)</td> <td>Cooler IP <input checked="" type="checkbox"/> Custody Seal <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Signature Match <input checked="" type="checkbox"/></td> </tr> <tr> <td colspan="6">SEE ATTACHED</td> </tr> </table>						Report Required For:	POTWWWWTP <input type="checkbox"/> DW <input type="checkbox"/>	ANALYSIS REQUESTED	Notify ELI prior to RUSH sample submittal for additional charges and scheduling	Comments:	Shipped by: <i>John</i>	Special Report Formats - ELI must be notified prior to sample submittal for the following: NELAC <input type="checkbox"/> A2LA <input type="checkbox"/> Other _____	EDD/EDT <input type="checkbox"/> Format _____	RUSH Turnaround (TAT) Normal Turnaround (TAT)			Cooler IP <input checked="" type="checkbox"/> Custody Seal <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Signature Match <input checked="" type="checkbox"/>	SEE ATTACHED					
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SEE ATTACHED																							
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Number of Contaminants Sample Type: Air/Water/Solids/Vegetation Biosassay Other Air/Water/Solids/Solids/Vegetation																			
1 TW4-20	6-27-07	1327	5-W																				
2 TW4-21		1432																					
3 TW4-22		1346																					
4 TW4-23		0848																					
5 TW4-24		1403																					
6 TW4-25		1419																					
7 TW4-26		7:00																					
8 TW4-27		11:10																					
9 TW4-28		13:27																					
10 TW4-29	6-27-07	10:45	5-W																				
Relinquished by (print): <b>Charles Orvin 6/28/07 (1200) Charles Orvin</b>																							
Received by (print): <b>John Smith 6/28/07 John Smith</b>																							
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For more information on our subcontract network for additional information, download our fee schedule, forms, & links.

**Steve Landau**

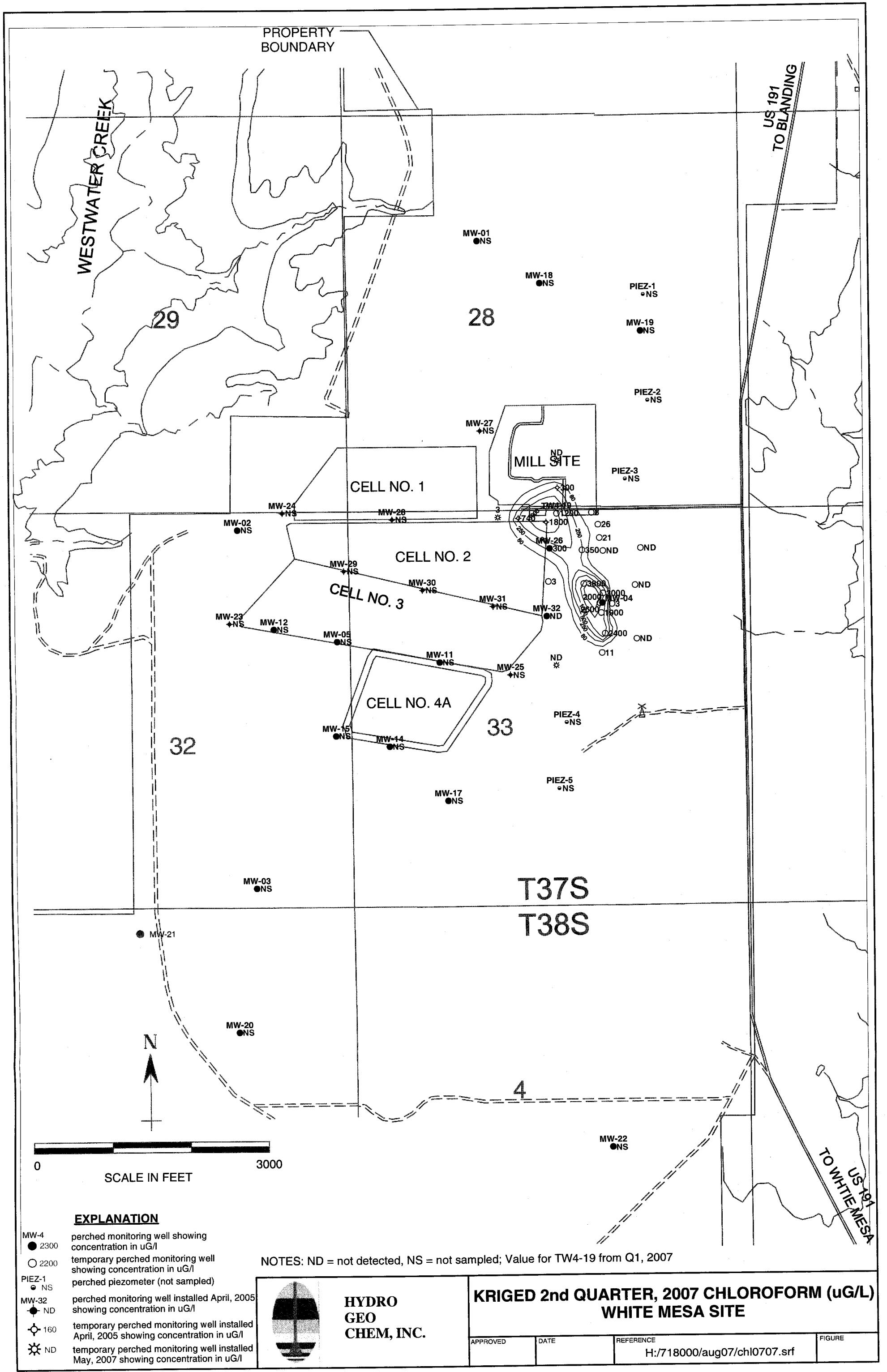
**From:** Steve Landau [slandau@denisonmines.com]  
**Sent:** Thursday, September 06, 2007 10:42 AM  
**To:** 'Dane Finerfrock'  
**Subject:** Second Quarter CSV Chloroform Data  
**Attachments:** SecondQChlorC07061553.csv

Dear Mr. Finerfrock,

Attached to this email is an electronic copy of all laboratory results for chloroform monitoring conducted during the 2<sup>nd</sup> Quarter, 2007, in Comma Separated Value (CSV) format.

Yours truly,

Steven D. Landau  
Manager of Environmental Affairs  
Denison Mines Corporation  
1050 17th Street, Suite 950  
Denver, CO 80265  
(303) 389-4132  
(303) 389-4125 Fax



Date of Sample		CHCl3 Values	Nitrate Values	Sampling Event
28-Sep-99	MW4	6200		Shallow Sample
28-Sep-99		5820		Deep Sample
28-Sep-99		6020		Total Sample
15-Mar-00		5520		Quarterly
15-Mar-00		5430		Quarterly
2-Sep-00		5420	9.63	Quarterly
30-Nov-00		6470	9.37	Quarterly & Split Sample
29-Mar-01		4360	8.77	Quarterly
22-Jun-01		6300	9.02	Quarterly
20-Sep-01		5300	9.45	Quarterly
8-Nov-01		5200	8	UDEQ Split Sampling Event
26-Mar-02		4700	8.19	First 1/4 2002 Sample
22-May-02		4300	8.21	Quarterly
12-Sep-02		6000	8.45	UDEQ Split Sampling Event
24-Nov-02		2500	8.1	Quarterly
28-Mar-03		2000	8.3	Quarterly
30-Apr-03		3300	NA	Well Pumping Event Sample
30-May-03		3400	8.2	Well Pumping Event Sample
23-Jun-03		4300	8.2	2nd Quarter Sampling Event
30-Jul-03		3600	8.1	Well Pumping Event Sample
29-Aug-03		4100	8.4	Well Pumping Event Sample
12-Sep-03		3500	8.5	3rd Quarter Sampling Event
15-Oct-03		3800	8.1	Well Pumping Event Sample
8-Nov-03		3800	8.0	4th Quarter Sampling Event
29-Mar-04			NA	Unable to purge/sample
22-Jun-04			NA	Unable to purge/sample
17-Sep-04		3300	6.71	3rd Quarter Sampling Event
17-Nov-04		4300	7.5	4th Quarter Sampling Event
16-Mar-05		2900	6.3	1st Quarter Sampling Event
25-May-05		3170	7.1	2nd Quarter Sampling Event
31-Aug-05		3500	7.0	3rd Quarter Sampling Event
1-Dec-05		3000	7.0	4th Quarter Sampling Event
9-Mar-06		3100	6.0	1st Quarter Sampling Event
14-Jun-06		3000	6.0	2nd Quarter Sampling Event
20-Jul-06		2820	1.2	3rd Quarter Sampling Event
9-Nov-06		2830	6.4	4th Quarter Sampling Event
28-Feb-07		2300	6.3	1st Quarter Sampling Event
27-Jun-07		2000	7.0	2nd Quarter Sampling Event

Date of Sample		CHCl <sub>3</sub> Values	Nitrate Values	Sampling Event
28-Jun-99	TW4-1	1700	7.2	Quarterly
10-Nov-99		5.79		Quarterly
15-Mar-00		1100		Quarterly
10-Apr-00		1490		Grab Sample
6-Jun-00		1530		Quarterly
2-Sep-00		2320	5.58	Quarterly
30-Nov-00		3440	7.79	Quarterly & Split Sample
29-Mar-01		2340	7.15	Quarterly
22-Jun-01		6000	8.81	Quarterly
20-Sep-01			12.8	Quarterly
8-Nov-01		3200	12.4	UDEQ Split Sampling Event
26-Mar-02		3200	13.1	First 1/4 2002 Sample
22-May-02		2800	12.7	Quarterly
12-Sep-02		3300	12.8	UDEQ Split Sampling Event
24-Nov-02		3500	13.6	Quarterly
28-Mar-03		3000	12.4	Quarterly
23-Jun-03		3600	12.5	2nd Quarter Sampling Event
12-Sep-03		2700	12.5	3rd Quarter Sampling Event
8-Nov-03		3400	11.8	4th Quarter Sampling Event
29-Mar-04		3200	11	1st Quarter Sampling Event
22-Jun-04		3100	8.78	2nd Quarter Sampling Event
17-Sep-04		2800	10.8	3rd Quarter Sampling Event
17-Nov-04		3000	11.1	4th Quarter Sampling Event
16-Mar-05		2700	9.1	1st Quarter Sampling Event
25-May-05		3080	10.6	2nd Quarter Sampling Event
31-Aug-05		2900	9.8	3rd Quarter Sampling Event
1-Dec-05		2400	9.7	4th Quarter Sampling Event
9-Mar-06		2700	9.4	1st Quarter Sampling Event
14-Jun-06		2200	9.6	2nd Quarter Sampling Event
20-Jul-06		2840	9.2	3rd Quarter Sampling Event
8-Nov-06		2260	9.2	4th Quarter Sampling Event
28-Feb-07		1900	8.9	1st Quarter Sampling Event
27-Jun-07		1900	9.0	2nd Quarter Sampling Event
10-Nov-99	TW4-2	2510		Quarterly
2-Sep-00		5220		Quarterly
28-Nov-00		4220	10.7	Quarterly & Split Sample
29-Mar-01		3890	10.2	Quarterly
22-Jun-01		5500	9.67	Quarterly
20-Sep-01		4900	11.4	Quarterly
8-Nov-01		5300	10.1	UDEQ Split Sampling Event
26-Mar-02		5100	9.98	First 1/4 2002 Sample
23-May-02		4700	9.78	Quarterly
12-Sep-02		6000	9.44	UDEQ Split Sampling Event
24-Nov-02		5400	10.4	Quarterly
28-Mar-03		4700	9.5	Quarterly

Date of Sample		CHCl <sub>3</sub> Values	Nitrate Values	Sampling Event
23-Jun-03		5100	9.6	2nd Quarter Sampling Event
12-Sep-03		3200	8.6	3rd Quarter Sampling Event
8-Nov-03		4700	9.7	4th Quarter Sampling Event
29-Mar-04		4200	9.14	1st Quarter Sampling Event
22-Jun-04		4300	8.22	2nd Quarter Sampling Event
17-Sep-04		4100	8.4	3rd Quarter Sampling Event
17-Nov-04		4500	8.6	4th Quarter Sampling Event
16-Mar-05		3700	7.7	1st Quarter Sampling Event
25-May-05		3750	8.6	2nd Quarter Sampling Event
31-Aug-05		3900	8.0	3rd Quarter Sampling Event
1-Dec-05		3500	7.8	4th Quarter Sampling Event
9-Mar-06		3800	7.5	1st Quarter Sampling Event
14-Jun-06		3200	7.1	2nd Quarter Sampling Event
20-Jul-06		4120	7.4	3rd Quarter Sampling Event
8-Nov-06		3420	7.6	4th Quarter Sampling Event

Date of Sample		CHCl3 Values	Nitrate Values	Sampling Event
10-Nov-99	TW4-2	2510		Quarterly
2-Sep-00		5220		Quarterly
28-Nov-00		4220	10.7	Quarterly & Split Sample
29-Mar-01		3890	10.2	Quarterly
22-Jun-01		5500	9.67	Quarterly
20-Sep-01		4900	11.4	Quarterly
8-Nov-01		5300	10.1	UDEQ Split Sampling Event
26-Mar-02		5100	9.98	First 1/4 2002 Sample
23-May-02		4700	9.78	Quarterly
12-Sep-02		6000	9.44	UDEQ Split Sampling Event
24-Nov-02		5400	10.4	Quarterly
28-Mar-03		4700	9.5	Quarterly
23-Jun-03		5100	9.6	2nd Quarter Sampling Event
12-Sep-03		3200	8.6	3rd Quarter Sampling Event
8-Nov-03		4700	9.7	4th Quarter Sampling Event
29-Mar-04		4200	9.14	1st Quarter Sampling Event
22-Jun-04		4300	8.22	2nd Quarter Sampling Event
17-Sep-04		4100	8.4	3rd Quarter Sampling Event
17-Nov-04		4500	8.6	4th Quarter Sampling Event
16-Mar-05		3700	7.7	1st Quarter Sampling Event
25-May-05		3750	8.6	2nd Quarter Sampling Event
31-Aug-05		3900	8.0	3rd Quarter Sampling Event
1-Dec-05		3500	7.8	4th Quarter Sampling Event
9-Mar-06		3800	7.5	1st Quarter Sampling Event
14-Jun-06		3200	7.1	2nd Quarter Sampling Event
20-Jul-06		4120	7.4	3rd Quarter Sampling Event
8-Nov-06		3420	7.6	4th Quarter Sampling Event
10-Nov-99		2510		Quarterly
2-Sep-00		5220		Quarterly
28-Nov-00		4220	10.7	Quarterly & Split Sample
29-Mar-01		3890	10.2	Quarterly
22-Jun-01		5500	9.67	Quarterly
20-Sep-01		4900	11.4	Quarterly
8-Nov-01		5300	10.1	UDEQ Split Sampling Event
26-Mar-02		5100	9.98	First 1/4 2002 Sample
23-May-02		4700	9.78	Quarterly
12-Sep-02		6000	9.44	UDEQ Split Sampling Event
24-Nov-02		5400	10.4	Quarterly
28-Mar-03		4700	9.5	Quarterly
23-Jun-03		5100	9.6	2nd Quarter Sampling Event
12-Sep-03		3200	8.6	3rd Quarter Sampling Event
8-Nov-03		4700	9.7	4th Quarter Sampling Event
29-Mar-04		4200	9.14	1st Quarter Sampling Event

Date of Sample	CHCl3 Values	Nitrate Values	Sampling Event
22-Jun-04	4300	8.22	2nd Quarter Sampling Event
Date of Sample	CHCl3 Values	Nitrate Values	Sampling Event
17-Sep-04	4100	8.4	3rd Quarter Sampling Event
17-Nov-04	4500	8.6	4th Quarter Sampling Event
16-Mar-05	3700	7.7	1st Quarter Sampling Event
25-May-05	3750	8.6	2nd Quarter Sampling Event
31-Aug-05	3900	8.0	3rd Quarter Sampling Event
1-Dec-05	3500	7.8	4th Quarter Sampling Event
9-Mar-06	3800	7.5	1st Quarter Sampling Event
14-Jun-06	3200	7.1	2nd Quarter Sampling Event
20-Jul-06	4120	7.4	3rd Quarter Sampling Event
8-Nov-06	3420	7.6	4th Quarter Sampling Event

Date of Sample		CHCl3 Values	Nitrate Values	Sampling Event
28-Jun-99	TW4-3	3500	7.6	Quarterly
29-Nov-99		702		Quarterly
15-Mar-00		834		Quarterly
2-Sep-00		836	1.56	Quarterly
29-Nov-00		836	1.97	Quarterly & Split Sample
27-Mar-01		347	1.85	Quarterly
21-Jun-01		390	2.61	Quarterly
20-Sep-01		300	3.06	Quarterly
7-Nov-01		170	3.6	UDEQ Split Sampling Event
26-Mar-02		11	3.87	First 1/4 2002 Sample
21-May-02		204	4.34	Quarterly
12-Sep-02		203	4.32	UDEQ Split Sampling Event
24-Nov-02		102	4.9	Quarterly
28-Mar-03		ND	4.6	Quarterly
23-Jun-03		ND	4.8	2nd Quarter Sampling Event
12-Sep-03		ND	4.3	3rd Quarter Sampling Event
8-Nov-03		ND	4.8	4th Quarter Sampling Event
29-Mar-04		ND	4.48	1st Quarter Sampling Event
22-Jun-04		ND	3.68	2nd Quarter Sampling Event
17-Sep-04		ND	3.88	3rd Quarter Sampling Event
17-Nov-04		ND	4.1	4th Quarter Sampling Event
16-Mar-05		ND	3.5	1st Quarter Sampling Event
25-May-05		ND	3.7	2nd Quarter Sampling Event
31-Aug-05		ND	3.5	3rd Quarter Sampling Event
1-Dec-05		ND	3.3	4th Quarter Sampling Event
9-Mar-06		ND	3.3	1st Quarter Sampling Event
14-Jun-06		ND	3.2	2nd Quarter Sampling Event
20-Jul-06		ND	2.9	3rd Quarter Sampling Event
8-Nov-06		ND	1.5	4th Quarter Sampling Event
28-Feb-07		ND	3.1	1st Quarter Sampling Event
27-Jun-07		ND	3.3	2nd Quarter Sampling Event

Date of Sample		CHCl <sub>3</sub> Values	Nitrate Values	Sampling Event
6-Jun-00	TW4-4	ND		Initial
2-Sep-00		ND		Quarterly
28-Nov-00		3.85	1.02	Quarterly & Split Sample
28-Mar-01		2260	14.5	Quarterly
20-Jun-01		3100	14	Quarterly
20-Sep-01		3200	14.8	Quarterly
8-Nov-01		2900	15	UDEQ Split Sampling Event
26-Mar-02		3400	13.2	First 1/4 2002 Sample
22-May-02		3200	13.4	Quarterly
12-Sep-02		4000	12.6	UDEQ Split Sampling Event
24-Nov-02		3800	13.4	Quarterly
28-Mar-03		3300	12.8	Quarterly
23-Jun-03		3600	12.3	2nd Quarter Sampling Event
12-Sep-03		2900	12.3	3rd Quarter Sampling Event
8-Nov-03		3500	12.2	4th Quarter Sampling Event
29-Mar-04		3200	12.1	1st Quarter Sampling Event
22-Jun-04		3500	11.1	2nd Quarter Sampling Event
17-Sep-04		3100	10.8	3rd Quarter Sampling Event
17-Nov-04		3600	11.6	4th Quarter Sampling Event
16-Mar-05		3100	10	1st Quarter Sampling Event
25-May-05		2400	11.3	2nd Quarter Sampling Event
31-Aug-05		3200	9.9	3rd Quarter Sampling Event
1-Dec-05		2800	10.2	4th Quarter Sampling Event
9-Mar-06		2900	9.5	1st Quarter Sampling Event
14-Jun-06		2600	8.6	2nd Quarter Sampling Event
20-Jul-06		2850	9.7	3rd Quarter Sampling Event
8-Nov-06		2670	10.1	4th Quarter Sampling Event
28-Feb-07		2200	9.0	1st Quarter Sampling Event
27-Jun-07		2400	9.4	2nd Quarter Sampling Event

Date of Sample	TW4-5	CHCl3 Values	Nitrate Values	Sampling Event
20-Dec-99		29.5		Quarterly
15-Mar-00		49		Quarterly
2-Sep-00		124	0.86	Quarterly
29-Nov-00		255	3.16	Quarterly & Split Sample
28-Mar-01		236	3.88	Quarterly
20-Jun-01		240	6.47	Quarterly
20-Sep-01		240	2.1	Quarterly
7-Nov-01		260	5.2	UDEQ Split Sampling Event
26-Mar-02		260	2.54	First 1/4 2002 Sample
22-May-02		300	3.05	Quarterly
12-Sep-02		330	4.61	UDEQ Split Sampling Event
24-Nov-02		260	1.1	Quarterly
28-Mar-03		240	1.9	Quarterly
23-Jun-03		290	3.2	2nd Quarter Sampling Event
12-Sep-03		200	4	3rd Quarter Sampling Event
8-Nov-03		240	4.6	4th Quarter Sampling Event
29-Mar-04		210	4.99	1st Quarter Sampling Event
22-Jun-04		200	4.78	2nd Quarter Sampling Event
17-Sep-04		150	4.79	3rd Quarter Sampling Event
17-Nov-04		180	5.1	4th Quarter Sampling Event
16-Mar-05		120	4.9	1st Quarter Sampling Event
25-May-05		113	3.7	2nd Quarter Sampling Event
31-Aug-05		82	6.0	3rd Quarter Sampling Event
1-Dec-05		63	6.0	4th Quarter Sampling Event
9-Mar-06		66	6.0	1st Quarter Sampling Event
14-Jun-06		51	5.9	2nd Quarter Sampling Event
20-Jul-06		53.70		3rd Quarter Sampling Event
8-Nov-06		47.10	2.9	4th Quarter Sampling Event
28-Feb-07		33	7.8	1st Quarter Sampling Event
27-Jun-07		26	7.0	2nd Quarter Sampling Event

Date of Sample	TW4-6	CHCl3 Values	Nitrate Values	Sampling Event
6-Jun-00		ND		Initial
2-Sep-00		ND		Quarterly
28-Nov-00		ND	ND	Quarterly & Split Sample
26-Mar-01		ND	.13	Quarterly
20-Jun-01		ND	ND	Quarterly
20-Sep-01		3.6	ND	Quarterly
7-Nov-01		ND	ND	UDEQ Split Sampling Event
26-Mar-02		ND	ND	First 1/4 2002 Sample
21-May-02		ND	ND	Quarterly
12-Sep-02		ND	ND	UDEQ Split Sampling Event
24-Nov-02		ND	ND	Quarterly
28-Mar-03		ND	0.1	Quarterly
23-Jun-03		ND	ND	2nd Quarter Sampling Event
12-Sep-03		ND	ND	3rd Quarter Sampling Event
8-Nov-03		ND	ND	4th Quarter Sampling Event
29-Mar-04		ND	ND	1st Quarter Sampling Event
22-Jun-04		ND	ND	2nd Quarter Sampling Event
17-Sep-04		ND	ND	3rd Quarter Sampling Event
17-Nov-04		ND	ND	4th Quarter Sampling Event
16-Mar-05		ND	0.2	1st Quarter Sampling Event
25-May-05		2.5	0.4	2nd Quarter Sampling Event
31-Aug-05		10.0	0.5	3rd Quarter Sampling Event
1-Dec-05		17.0	0.9	4th Quarter Sampling Event
9-Mar-06		31.0	1.2	1st Quarter Sampling Event
14-Jun-06		19.0	1.0	2nd Quarter Sampling Event
20-Jul-06		11.00	0.6	3rd Quarter Sampling Event
8-Nov-06		42.80	1.4	4th Quarter Sampling Event
28-Feb-07		46	1.5	1st Quarter Sampling Event
27-Jun-07		0.11	0.6	2nd Quarter Sampling Event

Date of Sample	TW4-7	CHCl3 Values	Nitrate Values	Sampling Event
29-Nov-99		256		Quarterly
15-Mar-00		616		Quarterly
2-Sep-00		698		Quarterly
29-Nov-00		684	1.99	Quarterly & Split Sample
28-Mar-01		747	2.46	Quarterly
20-Jun-01		1100	2.65	Quarterly
20-Sep-01		1200	3.38	Quarterly
8-Nov-01		1100	2.5	UDEQ Split Sampling Event
26-Mar-02		1500	3.76	First 1/4 2002 Sample
23-May-02		1600	3.89	Quarterly
12-Sep-02		1500	3.18	UDEQ Split Sampling Event
24-Nov-02		2300	4.6	Quarterly
28-Mar-03		1800	4.8	Quarterly
23-Jun-03		5200	7.6	2nd Quarter Sampling Event
12-Sep-03		3600	7.6	3rd Quarter Sampling Event
8-Nov-03		4500	7.1	4th Quarter Sampling Event
29-Mar-04		2500	4.63	1st Quarter Sampling Event
22-Jun-04		2900	4.83	2nd Quarter Sampling Event
17-Sep-04		3100	5.59	3rd Quarter Sampling Event
17-Nov-04		3800	6	4th Quarter Sampling Event
16-Mar-05		3100	5.2	1st Quarter Sampling Event
25-May-05		2700	5.4	2nd Quarter Sampling Event
31-Aug-05		3100	5.2	3rd Quarter Sampling Event
1-Dec-05		2500	5.3	4th Quarter Sampling Event
9-Mar-06		1900	1.0	1st Quarter Sampling Event
14-Jun-06		2200	4.5	2nd Quarter Sampling Event
20-Jul-06		2140	4.7	3rd Quarter Sampling Event
8-Nov-06		2160	4.6	4th Quarter Sampling Event
28-Feb-07		1800	5	1st Quarter Sampling Event
27-Jun-07		2600	5.1	2nd Quarter Sampling Event

Date of Sample	TW4-8	CHCl <sub>3</sub> Values	Nitrate Values	Sampling Event
29-Nov-99		ND		Quarterly
15-Mar-00		21.8		Quarterly
2-Sep-00		102		Quarterly
29-Nov-00		107	ND	Quarterly & Split Sample
26-Mar-01		116	ND	Quarterly
20-Jun-01		180	ND	Quarterly
20-Sep-01		180	0.35	Quarterly
7-Nov-01		180	ND	UDEQ Split Sampling Event
26-Mar-02		190	0.62	First 1/4 2002 Sample
22-May-02		210	0.77	Quarterly
12-Sep-02		300	ND	UDEQ Split Sampling Event
24-Nov-02		450	ND	Quarterly
28-Mar-03		320	0.8	Quarterly
23-Jun-03		420	ND	2nd Quarter Sampling Event
12-Sep-03		66	ND	3rd Quarter Sampling Event
8-Nov-03		21.0	0.1	4th Quarter Sampling Event
29-Mar-04		24	0.65	1st Quarter Sampling Event
22-Jun-04		110	0.52	2nd Quarter Sampling Event
17-Sep-04		120	ND	3rd Quarter Sampling Event
17-Nov-04		120	ND	4th Quarter Sampling Event
16-Mar-05		10.0	ND	1st Quarter Sampling Event
25-May-05		ND	0.2	2nd Quarter Sampling Event
31-Aug-05		1.1	ND	3rd Quarter Sampling Event
1-Dec-05		ND	ND	4th Quarter Sampling Event
9-Mar-06		1.3	0.3	1st Quarter Sampling Event
14-Jun-06		1.00	ND	2nd Quarter Sampling Event
20-Jul-06		ND	0.1	3rd Quarter Sampling Event
8-Nov-06		ND	ND	4th Quarter Sampling Event
28-Feb-07		2.50	0.7	1st Quarter Sampling Event
27-Jun-07		2.5	0.2	2nd Quarter Sampling Event

Date of Sample	TW4-9	CHCl3 Values	Nitrate Values	Sampling Event
20-Dec-99		4.24		Quarterly
15-Mar-00		1.88		Quarterly
2-Sep-00		14.2		Quarterly
29-Nov-00		39.4	ND	Quarterly & Split Sample
27-Mar-01		43.6	ND	Quarterly
20-Jun-01		59	.15	Quarterly
20-Sep-01		19	0.40	Quarterly
7-Nov-01		49	0.1	UDEQ Split Sampling Event
26-Mar-02		41	0.5	First 1/4 2002 Sample
22-May-02		38	0.65	Quarterly
12-Sep-02		49	0.2	UDEQ Split Sampling Event
24-Nov-02		51	0.6	Quarterly
28-Mar-03		34	0.6	Quarterly
23-Jun-03		33	0.8	2nd Quarter Sampling Event
12-Sep-03		32	1.1	3rd Quarter Sampling Event
8-Nov-03		46	1.1	4th Quarter Sampling Event
29-Mar-04		48	0.82	1st Quarter Sampling Event
22-Jun-04		48	0.75	2nd Quarter Sampling Event
17-Sep-04		39	0.81	3rd Quarter Sampling Event
17-Nov-04		26	1.2	4th Quarter Sampling Event
16-Mar-05		3.8	1.3	1st Quarter Sampling Event
25-May-05		1.2	1.3	2nd Quarter Sampling Event
31-Aug-05		ND	1.3	3rd Quarter Sampling Event
1-Dec-05		ND	1.3	4th Quarter Sampling Event
9-Mar-06		ND	1.5	1st Quarter Sampling Event
14-Jun-06		ND	1.5	2nd Quarter Sampling Event
20-Jul-06		ND	0.9	3rd Quarter Sampling Event
8-Nov-06		ND	0.7	4th Quarter Sampling Event
28-Feb-07		ND	0.6	1st Quarter Sampling Event
27-Jun-07		21	1.3	2nd Quarter Sampling Event

Date of Sample	TW4-10	CHCl <sub>3</sub> Values	Nitrate Values	Sampling Event
21-Jan-02		14		Initial Sample
26-Mar-02		16	0.14	First 1/4 2002 Sample
21-May-02		17	0.11	Quarterly
12-Sep-02		6.0	ND	UDEQ Split Sampling Event
24-Nov-02		14	ND	Quarterly
28-Mar-03		29	0.2	Quarterly
23-Jun-03		110	0.4	2nd Quarter Sampling Event
12-Sep-03		74	0.4	3rd Quarter Sampling Event
8-Nov-03		75	0.3	4th Quarter Sampling Event
29-Mar-04		22	0.1	1st Quarter Sampling Event
22-Jun-04		32	ND	2nd Quarter Sampling Event
17-Sep-04		63	0.46	3rd Quarter Sampling Event
17-Nov-04		120	0.4	4th Quarter Sampling Event
16-Mar-05		140	1.6	1st Quarter Sampling Event
25-May-05		62.4	0.8	2nd Quarter Sampling Event
31-Aug-05		110	1.1	3rd Quarter Sampling Event
1-Dec-05		300	3.3	4th Quarter Sampling Event
9-Mar-06		190	2.4	1st Quarter Sampling Event
14-Jun-06		300	3.5	2nd Quarter Sampling Event
20-Jul-06		504	6.8	3rd Quarter Sampling Event
8-Nov-06		452	5.7	4th Quarter Sampling Event
28-Feb-07		500	7.6	1st Quarter Sampling Event
27-Jun-07		350	5.1	2nd Quarter Sampling Event

Date of Sample	TW4-11	CHCl3 Values	Nitrate Values	Sampling Event
21-Jan-02		4700		Initial Sample
26-Mar-02		4900	9.60	First 1/4 2002 Sample
22-May-02		5200	9.07	Quarterly
12-Sep-02		6200	8.84	UDEQ Split Sampling Event
24-Nov-02		5800	9.7	Quarterly
28-Mar-03		5100	9.7	Quarterly
23-Jun-03		5700	9.4	2nd Quarter Sampling Event
12-Sep-03		4600	9.9	3rd Quarter Sampling Event
8-Nov-03		5200	9.3	4th Quarter Sampling Event
29-Mar-04		5300	9.07	1st Quarter Sampling Event
22-Jun-04		5700	8.74	2nd Quarter Sampling Event
17-Sep-04		4800	8.75	3rd Quarter Sampling Event
17-Nov-04		5800	9.7	4th Quarter Sampling Event
16-Mar-05		4400	8.7	1st Quarter Sampling Event
25-May-05		3590	10.3	2nd Quarter Sampling Event
31-Aug-05		4400	9.4	3rd Quarter Sampling Event
1-Dec-05		4400	9.4	4th Quarter Sampling Event
9-Mar-06		4400	9.2	1st Quarter Sampling Event
14-Jun-06		4300	10	2nd Quarter Sampling Event
20-Jul-06		4080	10	3rd Quarter Sampling Event
8-Nov-06		3660	10	4th Quarter Sampling Event
28-Feb-07		3500	10.1	1st Quarter Sampling Event
27-Jun-07		3800	10.6	2nd Quarter Sampling Event

Date of Sample	TW4-12	CHCl3 Values	Nitrate Values	Sampling Event
12-Sep-02		1.5	2.54	UDEQ Split Sampling Event
24-Nov-02		0.00	2.2	Quarterly
28-Mar-03		0.00	1.9	Quarterly
23-Jun-03		0.00	1.8	2nd Quarter Sampling Event
12-Sep-03		0.00	1.8	3rd Quarter Sampling Event
9-Nov-03		ND	1.6	4th Quarter Sampling Event
29-Mar-04		ND	1.58	1st Quarter Sampling Event
22-Jun-04		ND	1.4	2nd Quarter Sampling Event
17-Sep-04		ND	1.24	3rd Quarter Sampling Event
17-Nov-04		ND	1.5	4th Quarter Sampling Event
16-Mar-05		ND	1.4	1st Quarter Sampling Event
25-May-05		ND	1.6	2nd Quarter Sampling Event
31-Aug-05		ND	1.5	3rd Quarter Sampling Event
1-Dec-05		ND	1.4	4th Quarter Sampling Event
9-Mar-06		ND	1.3	1st Quarter Sampling Event
14-Jun-06		ND	1.4	2nd Quarter Sampling Event
20-Jul-06		ND	1.4	3rd Quarter Sampling Event
8-Nov-06		ND	1.4	4th Quarter Sampling Event
28-Feb-07		ND	1.5	1st Quarter Sampling Event
27-Jun-07		ND	1.5	2nd Quarter Sampling Event

Date of Sample	TW4-13	CHCl <sub>3</sub> Values	Nitrate Values	Sampling Event
12-Sep-02		ND	ND	UDEQ Split Sampling Event
24-Nov-02		ND	ND	Quarterly
28-Mar-03		ND	0.2	Quarterly
23-Jun-03		ND	0.2	2nd Quarter Sampling Event
12-Sep-03		ND	ND	3rd Quarter Sampling Event
9-Nov-03		ND	0.9	4th Quarter Sampling Event
29-Mar-04		ND	0.12	1st Quarter Sampling Event
22-Jun-04		ND	0.17	2nd Quarter Sampling Event
17-Sep-04		ND	4.43	3rd Quarter Sampling Event
17-Nov-04		ND	4.7	4th Quarter Sampling Event
16-Mar-05		ND	4.2	1st Quarter Sampling Event
25-May-05		ND	4.3	2nd Quarter Sampling Event
31-Aug-05		ND	4.6	3rd Quarter Sampling Event
1-Dec-05		ND	4.3	4th Quarter Sampling Event
9-Mar-06		ND	4.2	1st Quarter Sampling Event
14-Jun-06		ND	4.9	2nd Quarter Sampling Event
20-Jul-06		ND	4.3	3rd Quarter Sampling Event
8-Nov-06		ND	0.8	4th Quarter Sampling Event
28-Feb-07		ND	4	1st Quarter Sampling Event
27-Jun-07		ND	4.6	2nd Quarter Sampling Event

Date of Sample	TW4-15	CHCl3 Values	Nitrate Values	Sampling Event
12-Sep-02		2.6	ND	UDEQ Split Sampling Event
24-Nov-02		ND	ND	Quarterly
28-Mar-03		ND	0.1	Quarterly
23-Jun-03		7800	14.5	2nd Quarter Sampling Event
15-Aug-03		7400	16.8	Well Pumping Event Sample
12-Sep-03		2500	2.7	3rd Quarter Sampling Event
25-Sep-03		2600	2.5	Well Pumping Event Sample
29-Oct-03		3100	3.1	Well Pumping Event Sample
8-Nov-03		3000	2.8	4th Quarter Sampling Event
29-Mar-04		NA	NA	Unable to purge/sample
22-Jun-04		NA	NA	Unable to purge/sample
17-Sep-04		1400	0.53	3rd Quarter Sampling Event
17-Nov-04		300	0.2	4th Quarter Sampling Event
16-Mar-05		310	0.3	1st Quarter Sampling Event
30-Mar-05		230	0.2	1st Quarter POC Sampling
25-May-05		442	0.2	2nd Quarter Sampling Event
31-Aug-05		960	0.2	3rd Quarter Sampling Event
1-Dec-05		1000	0.3	4th Quarter Sampling Event
9-Mar-06		1100	0.2	1st Quarter Sampling Event
14-Jun-06		830	0.2	2nd Quarter Sampling Event
20-Jul-06		2170	1.4	3rd Quarter Sampling Event
8-Nov-06		282	0.3	4th Quarter Sampling Event
28-Feb-07		570	0.5	1st Quarter Sampling Event
27-Jun-07		300	0.4	2nd Quarter Sampling Event

Date of Sample	TW4-16	CHCl3 Values	Nitrate Values	Sampling Event
12-Sep-02		140	ND	UDEQ Split Sampling Event
24-Nov-02		200	ND	Quarterly
28-Mar-03		260	ND	Quarterly
23-Jun-03		370	ND	2nd Quarter Sampling Event
12-Sep-03		350	ND	3rd Quarter Sampling Event
8-Nov-03		400	ND	4th Quarter Sampling Event
29-Mar-04		430	ND	1st Quarter Sampling Event
22-Jun-04		530	ND	2nd Quarter Sampling Event
17-Sep-04		400	ND	3rd Quarter Sampling Event
17-Nov-04		350	ND	4th Quarter Sampling Event
16-Mar-05		240	ND	1st Quarter Sampling Event
25-May-05		212	ND	2nd Quarter Sampling Event
31-Aug-05		85	ND	3rd Quarter Sampling Event
1-Dec-05		14	1.4	4th Quarter Sampling Event
9-Mar-06		39	3.0	1st Quarter Sampling Event
14-Jun-06		13	1.9	2nd Quarter Sampling Event
20-Jul-06		5	2.7	3rd Quarter Sampling Event
8-Nov-06		13.6	5.6	4th Quarter Sampling Event
28-Feb-07		8.70	12.3	1st Quarter Sampling Event
27-Jun-07		2.60	9.9	2nd Quarter Sampling Event

Date of Sample	TW4-17	CHCl3 Values	Nitrate Values	Sampling Event
12-Sep-02		1.6	ND	UDEQ Split Sampling Event
24-Nov-02		ND	ND	Quarterly
28-Mar-03		ND	ND	Quarterly
23-Jun-03		ND	ND	2nd Quarter Sampling Event
12-Sep-03		ND	ND	3rd Quarter Sampling Event
8-Nov-03		ND	ND	4th Quarter Sampling Event
29-Mar-04		ND	ND	1st Quarter Sampling Event
22-Jun-04		ND	ND	2nd Quarter Sampling Event
17-Sep-04		ND	ND	3rd Quarter Sampling Event
17-Nov-04		ND	ND	4th Quarter Sampling Event
16-Mar-05		ND	ND	1st Quarter Sampling Event
30-Mar-05		ND	ND	1st Quarter POC Sampling
25-May-05		ND	ND	2nd Quarter Sampling Event
31-Aug-05		ND	ND	3rd Quarter Sampling Event
1-Dec-05		ND	ND	4th Quarter Sampling Event
9-Mar-06		ND	ND	1st Quarter Sampling Event
14-Jun-06		ND	ND	2nd Quarter Sampling Event
20-Jul-06		ND	ND	3rd Quarter Sampling Event
8-Nov-06		ND	ND	4th Quarter Sampling Event
28-Feb-07		ND	ND	1st Quarter Sampling Event
27-Jun-07		ND	ND	2nd Quarter Sampling Event

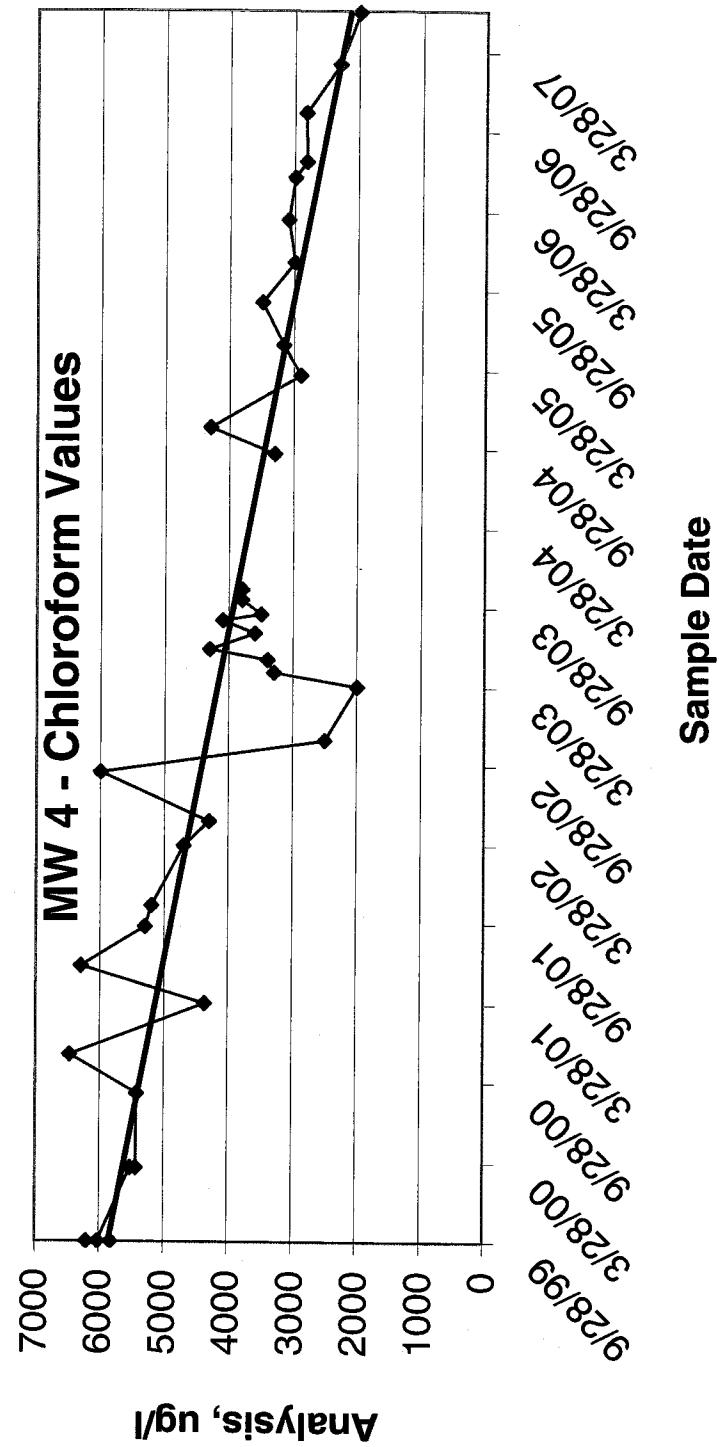
Date of Sample	TW4-18	CHCl3 Values	Nitrate Values	Sampling Event
12-Sep-02		440	1.49	UDEQ Split Sampling Event
24-Nov-02		240	13.3	Quarterly
28-Mar-03		160	13.1	Quarterly
23-Jun-03		110	19	2nd Quarter Sampling Event
12-Sep-03		68	19.9	3rd Quarter Sampling Event
9-Nov-03		84	20.7	4th Quarter Sampling Event
29-Mar-04		90	14	1st Quarter Sampling Event
22-Jun-04		82	12.2	2nd Quarter Sampling Event
17-Sep-04		38	14.5	3rd Quarter Sampling Event
17-Nov-04		51	17.3	4th Quarter Sampling Event
16-Mar-05		38	14.1	1st Quarter Sampling Event
25-May-05		29.8	12.9	2nd Quarter Sampling Event
31-Aug-05		39	13.3	3rd Quarter Sampling Event
1-Dec-05		14	7.3	4th Quarter Sampling Event
9-Mar-06		12	5.9	1st Quarter Sampling Event
14-Jun-06		12	4.7	2nd Quarter Sampling Event
20-Jul-06		10.80	6.1	3rd Quarter Sampling Event
8-Nov-06		139.00	8.7	4th Quarter Sampling Event
28-Feb-07		9.2	5.1	1st Quarter Sampling Event
27-Jun-07		8.0	4.9	2nd Quarter Sampling Event

Date of Sample	TW4-19	CHCl3 Values	Nitrate Values	Sampling Event
12-Sep-02		7700	47.6	UDEQ Split Sampling Event
24-Nov-02		5400	42	Quarterly
28-Mar-03		4200	61.4	Quarterly
15-May-03		4700	NA	Well Pumping Event Sample
23-Jun-03		4500	11.4	2nd Quarter Sampling Event
15-Jul-03		2400	6.8	Well Pumping Event Sample
15-Aug-03		2600	4	Well Pumping Event Sample
12-Sep-03		2500	5.7	3rd Quarter Sampling Event
25-Sep-03		4600	9.2	Well Pumping Event Sample
29-Oct-03		4600	7.7	Well Pumping Event Sample
9-Nov-03		2600	4.8	4th Quarter Sampling Event
29-Mar-04		NA	NA	Unable to purge/sample
22-Jun-04		NA	NA	Unable to purge/sample
16-Aug-04		7100	9.91	Well Pumping Event Sample
17-Sep-04		2600	4.5	3rd Quarter Sampling Event
17-Nov-04		1800	3.6	4th Quarter Sampling Event
16-Mar-05		2200	5.3	1st Quarter Sampling Event
25-May-05		1200	5.7	2nd Quarter Sampling Event
31-Aug-05		1400	4.6	3rd Quarter Sampling Event
1-Dec-05		2800	ND	4th Quarter Sampling Event
9-Mar-06		1200	4.0	1st Quarter Sampling Event
14-Jun-06		1100	5.2	2nd Quarter Sampling Event
20-Jul-06		1120	4.3	3rd Quarter Sampling Event
8-Nov-07		1050	4.6	4th Quarter Sampling Event
28-Feb-07		1200	4	1st Quarter Sampling Event
27-Jun-07		1800	2.3	2nd Quarter Sampling Event

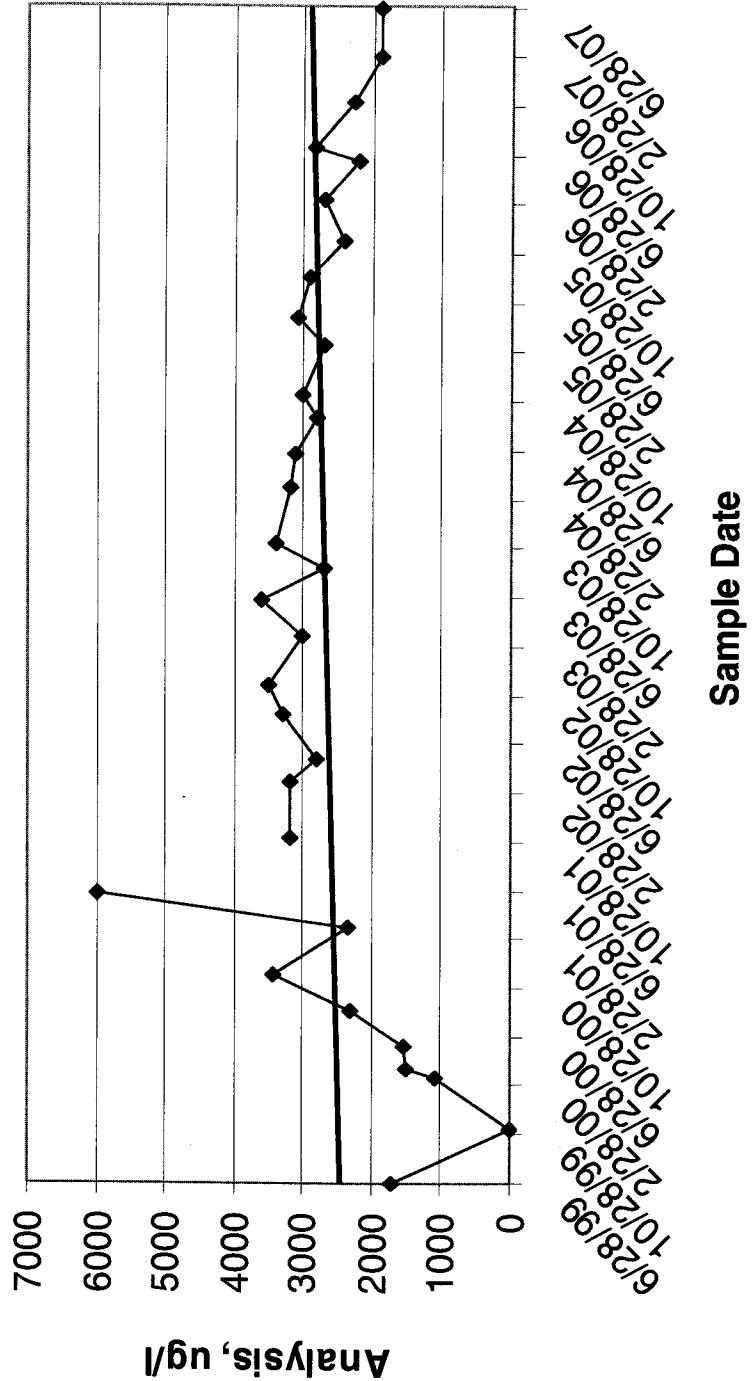
Date of Sample	TW4-20	CHCl3 Values	Nitrate Values	Sampling Event
25-May-05		39000	10.1	2nd Quarter Sampling Event
31-Aug-05		3800	2.9	3rd Quarter Sampling Event
1-Dec-05		19000	1.8	4th Quarter Sampling Event
9-Mar-06		9200	3.8	1st Quarter Sampling Event
14-Jun-06		61000	9.4	2nd Quarter Sampling Event
20-Jul-06		5300	2.9	3rd Quarter Sampling Event
8-Nov-06		11000	3.5	4th Quarter Sampling Event
28-Feb-07		4400	4.2	1st Quarter Sampling Event
27-Jun-07		1800	2.3	2nd Quarter Sampling Event

Date of Sample	TW4-21	CHCl3 Values	Nitrate Values	Sampling Event
25-May-05		192	14.6	2nd Quarter Sampling Event
31-Aug-05		78	10.1	3rd Quarter Sampling Event
1-Dec-05		86	9.6	4th Quarter Sampling Event
9-Mar-06		120	8.5	1st Quarter Sampling Event
14-Jun-06		130	10.2	2nd Quarter Sampling Event
20-Jul-06		106	8.9	3rd Quarter Sampling Event
8-Nov-06		12.5	5.7	4th Quarter Sampling Event
28-Feb-07		160	8.7	1st Quarter Sampling Event
27-Jun-07		300	8.6	2nd Quarter Sampling Event

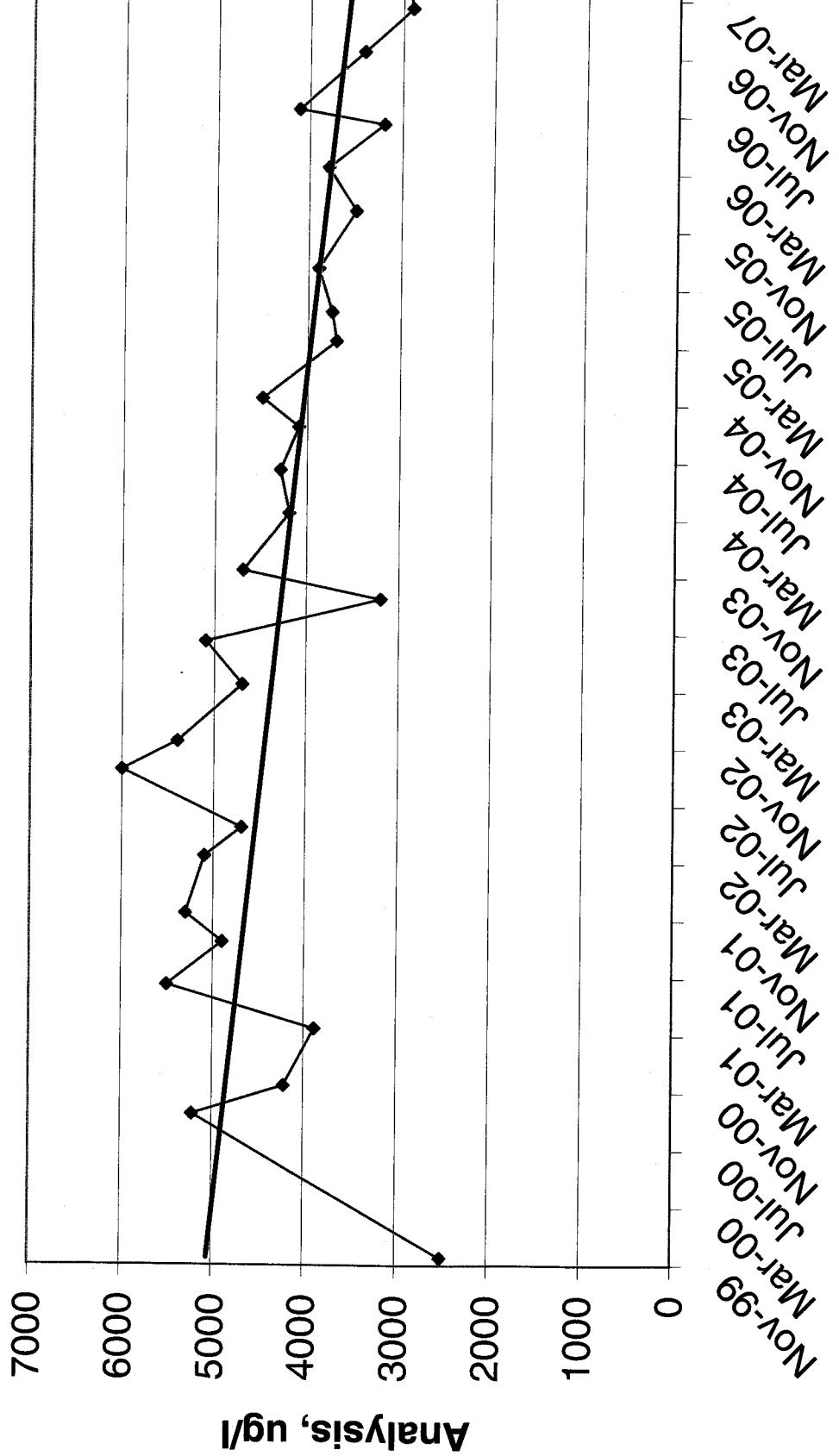
Date of Sample	TW4-22	CHCl3 Values	Nitrate Values	Sampling Event
25-May-05		340	18.2	2nd Quarter Sampling Event
31-Aug-05		290	15.7	3rd Quarter Sampling Event
1-Dec-05		320	15.1	4th Quarter Sampling Event
9-Mar-06		390	15.3	1st Quarter Sampling Event
06/14/06		280	14.3	2nd Quarter Sampling Event
07/20/06		864	14.5	3rd Quarter Sampling Event
11/08/06		350	15.9	4th Quarter Sampling Event
28-Feb-07		440	20.9	1st Quarter Sampling Event
06/27/07		740	19.3	2nd Quarter Sampling Event



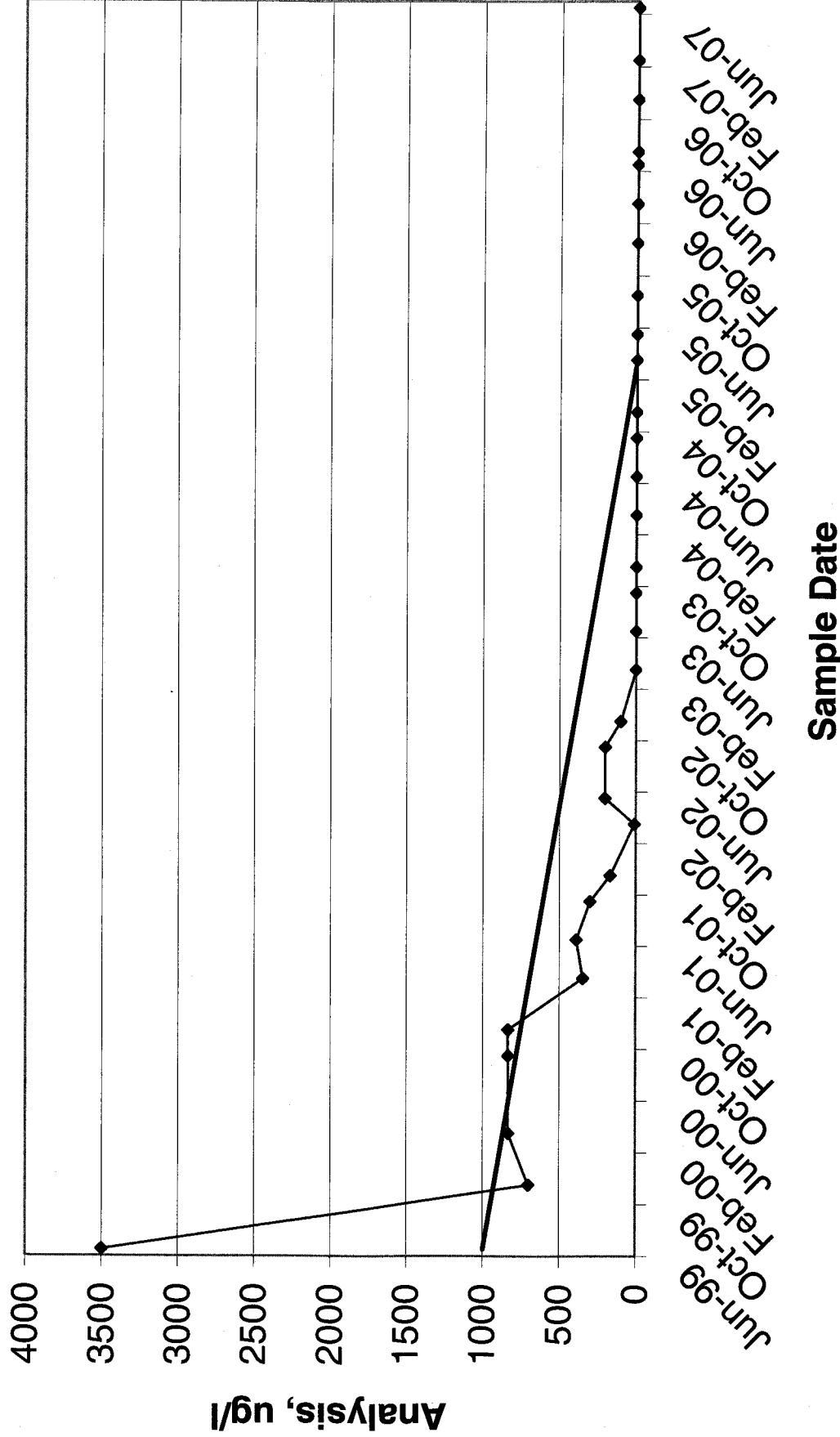
### **TW4-1 - Chloroform Values**



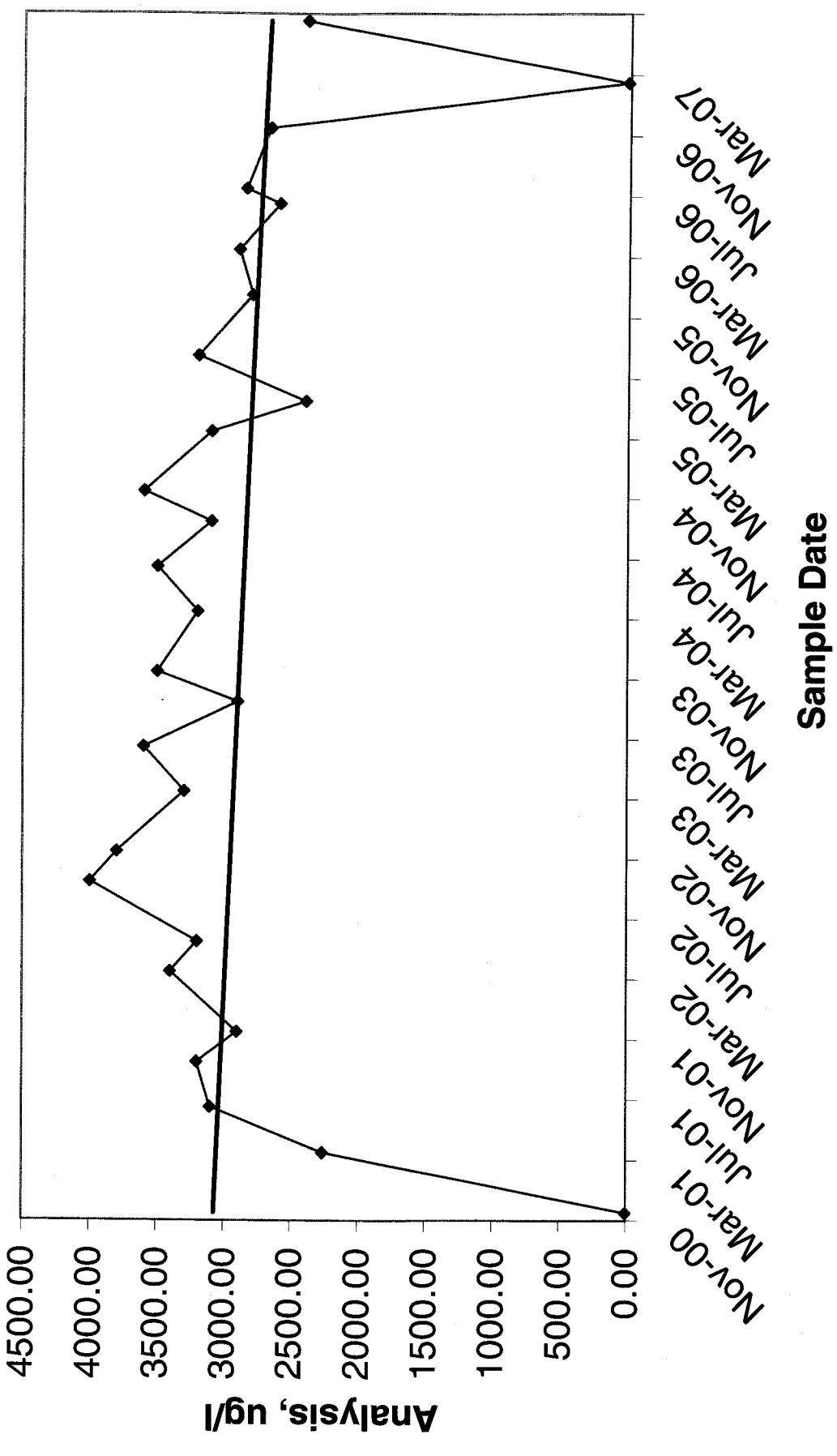
## TW4-2 - Chloroform Values



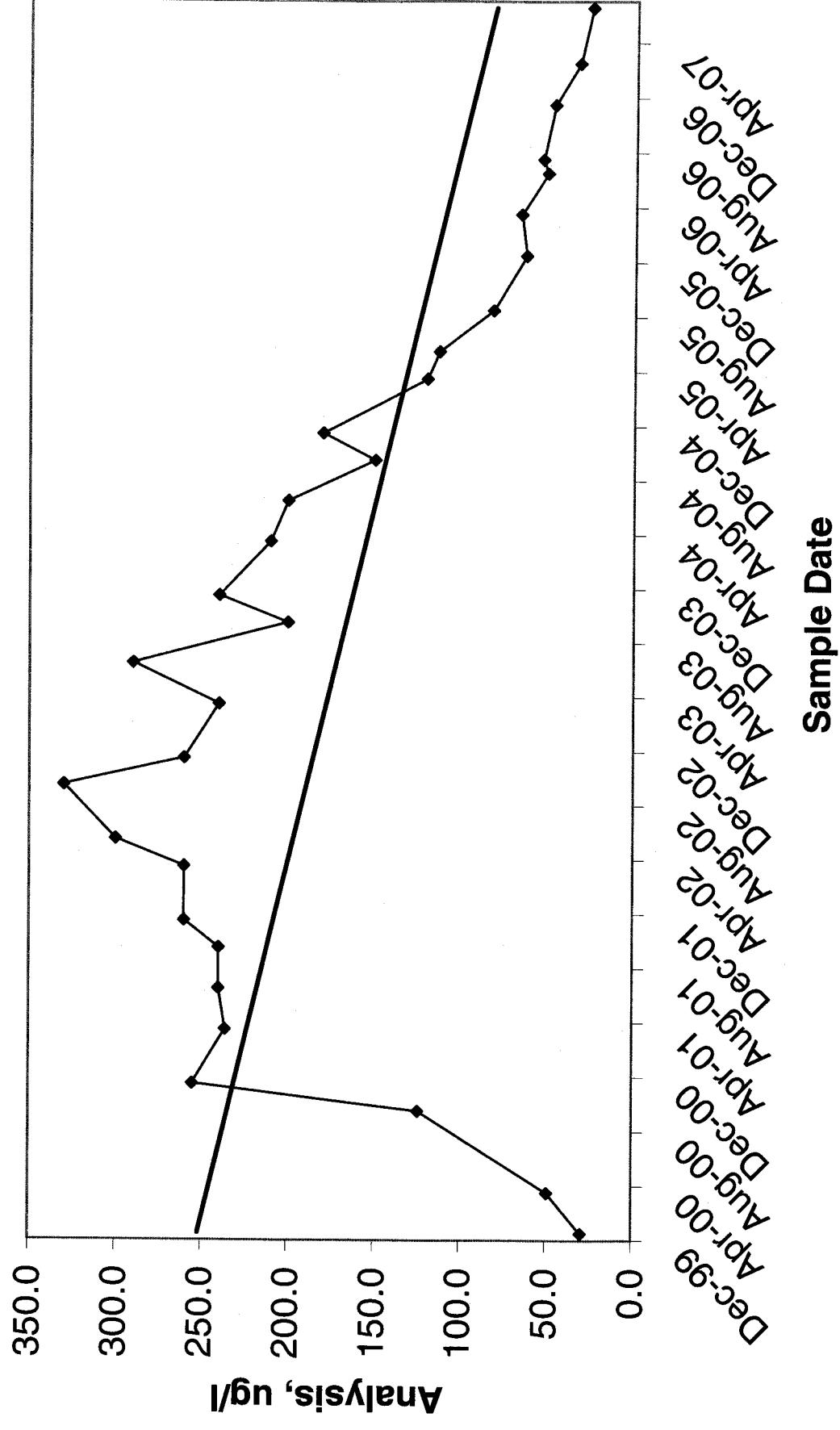
## TW4-3 - Chloroform Values



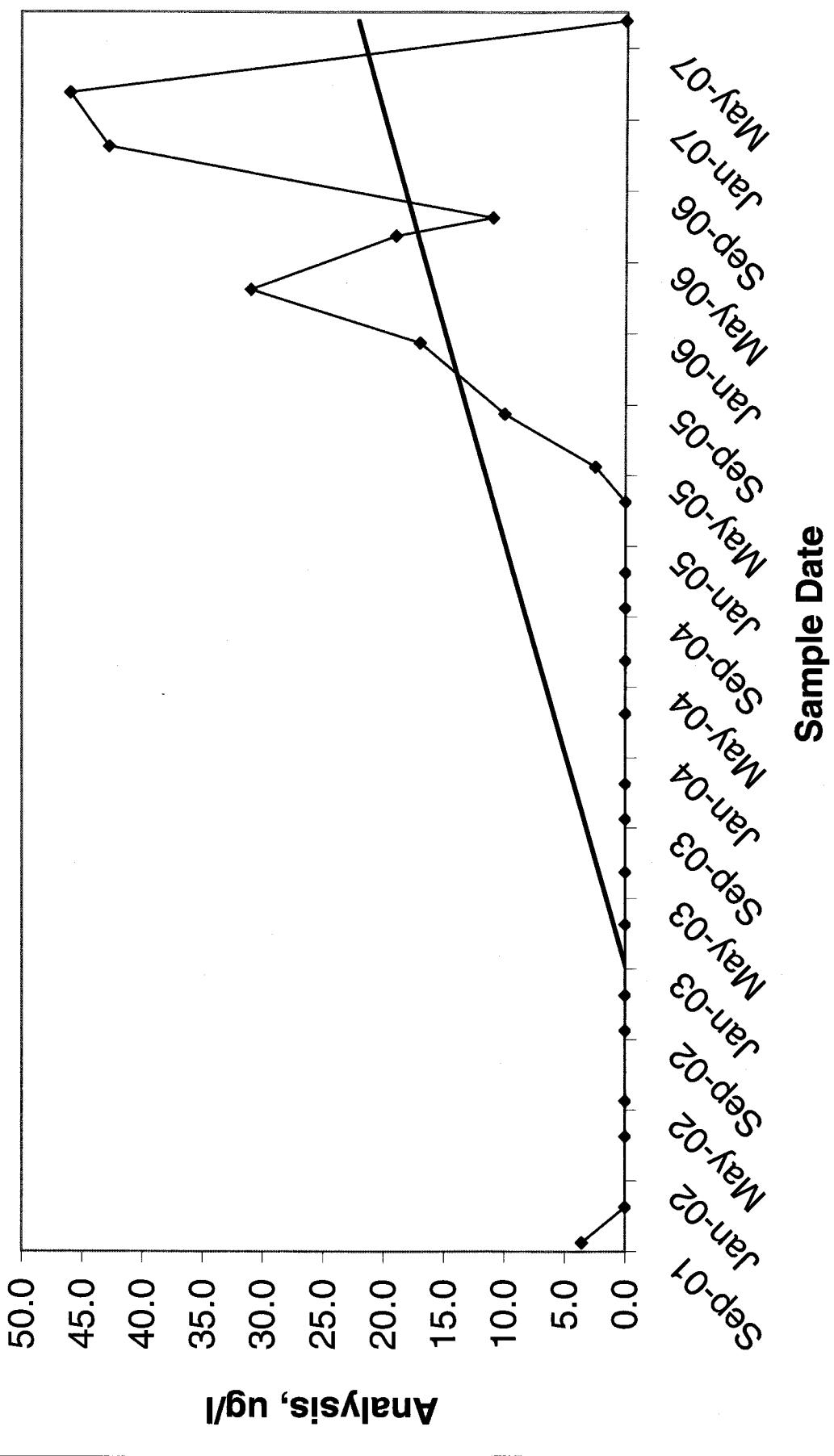
## TW4-4 - Chloroform Values



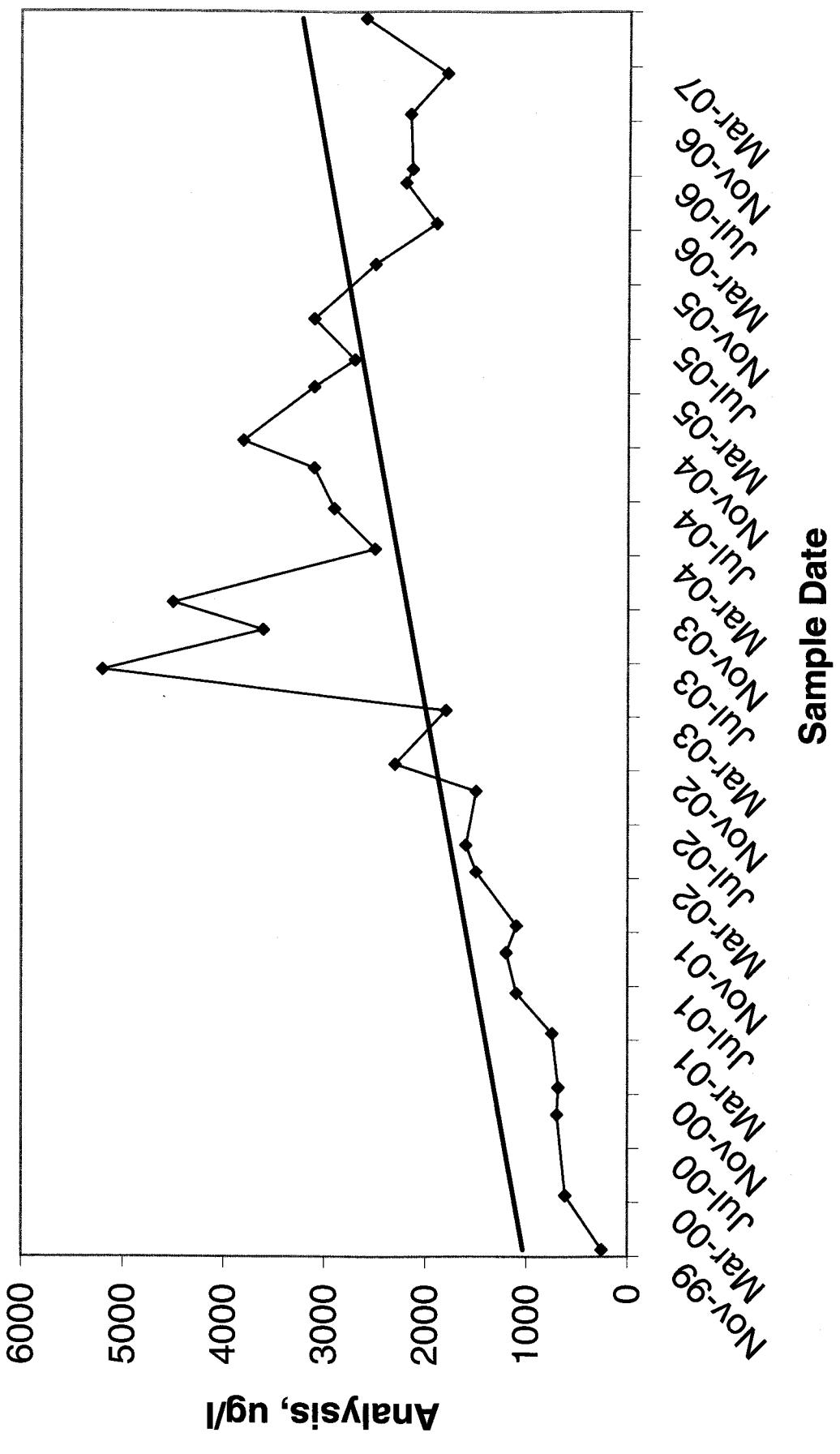
## TW4-5 - Chloroform Values



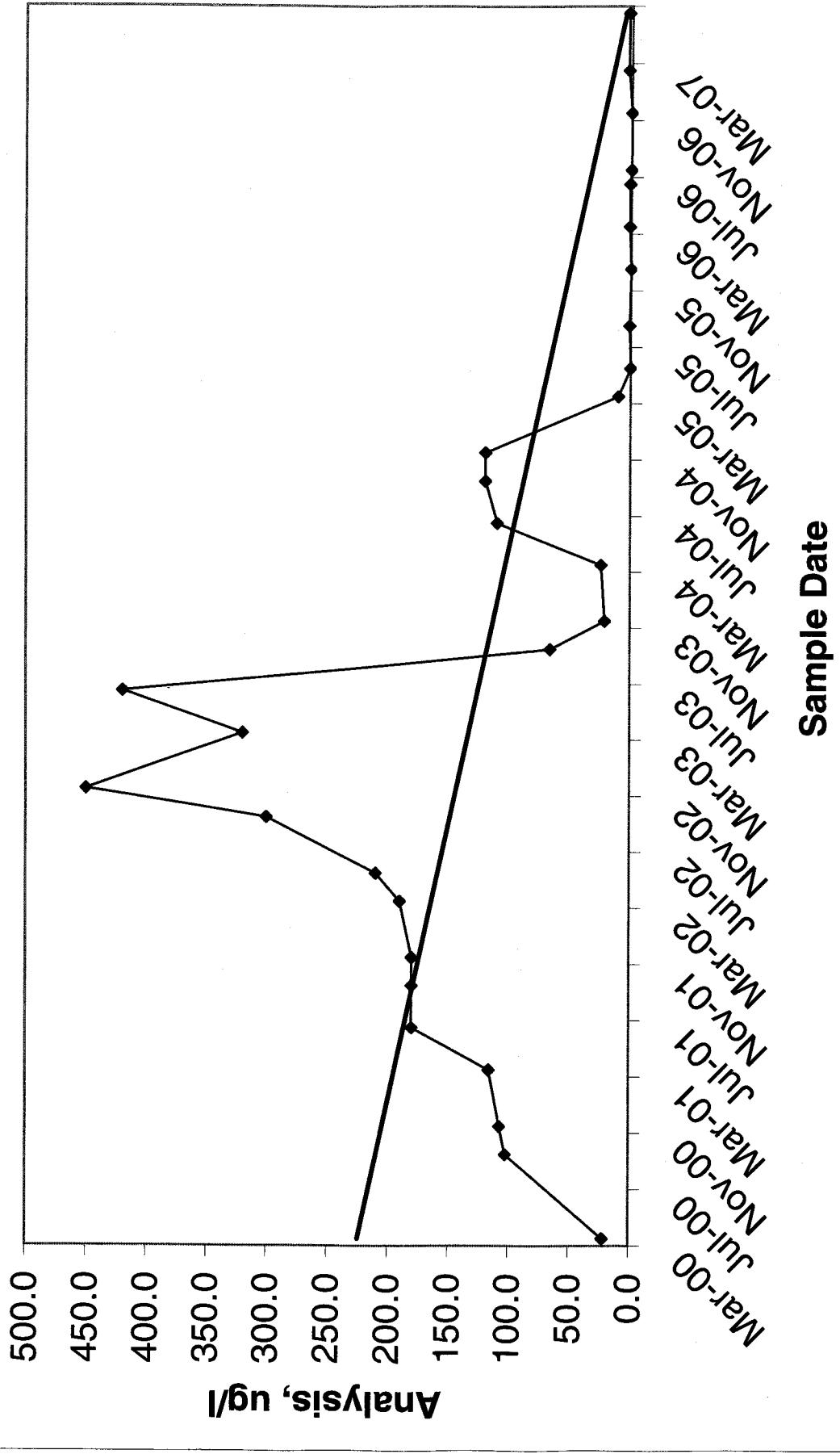
## TW4-6 - Chloroform Values



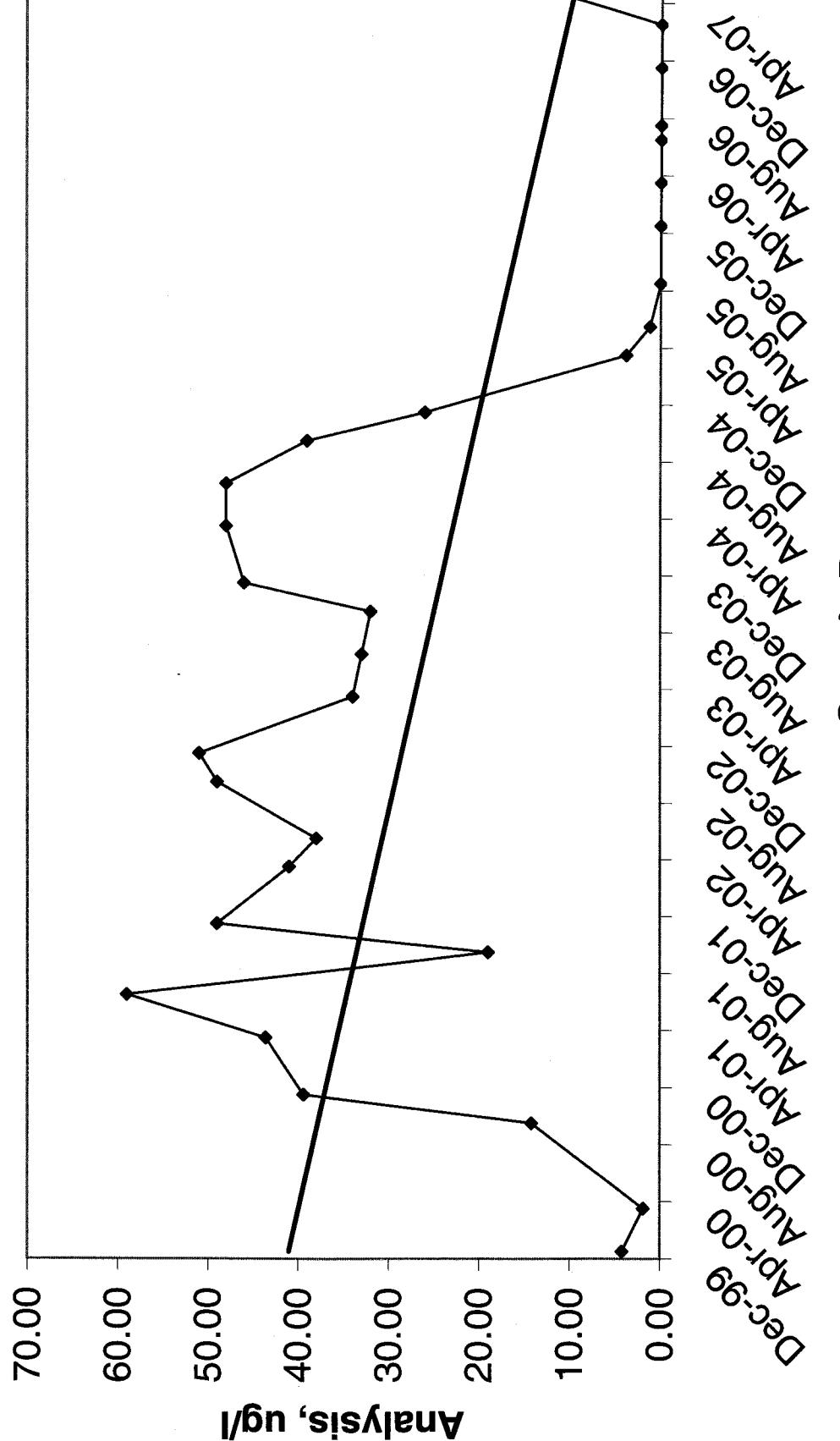
## TW4-7 - Chloroform Values



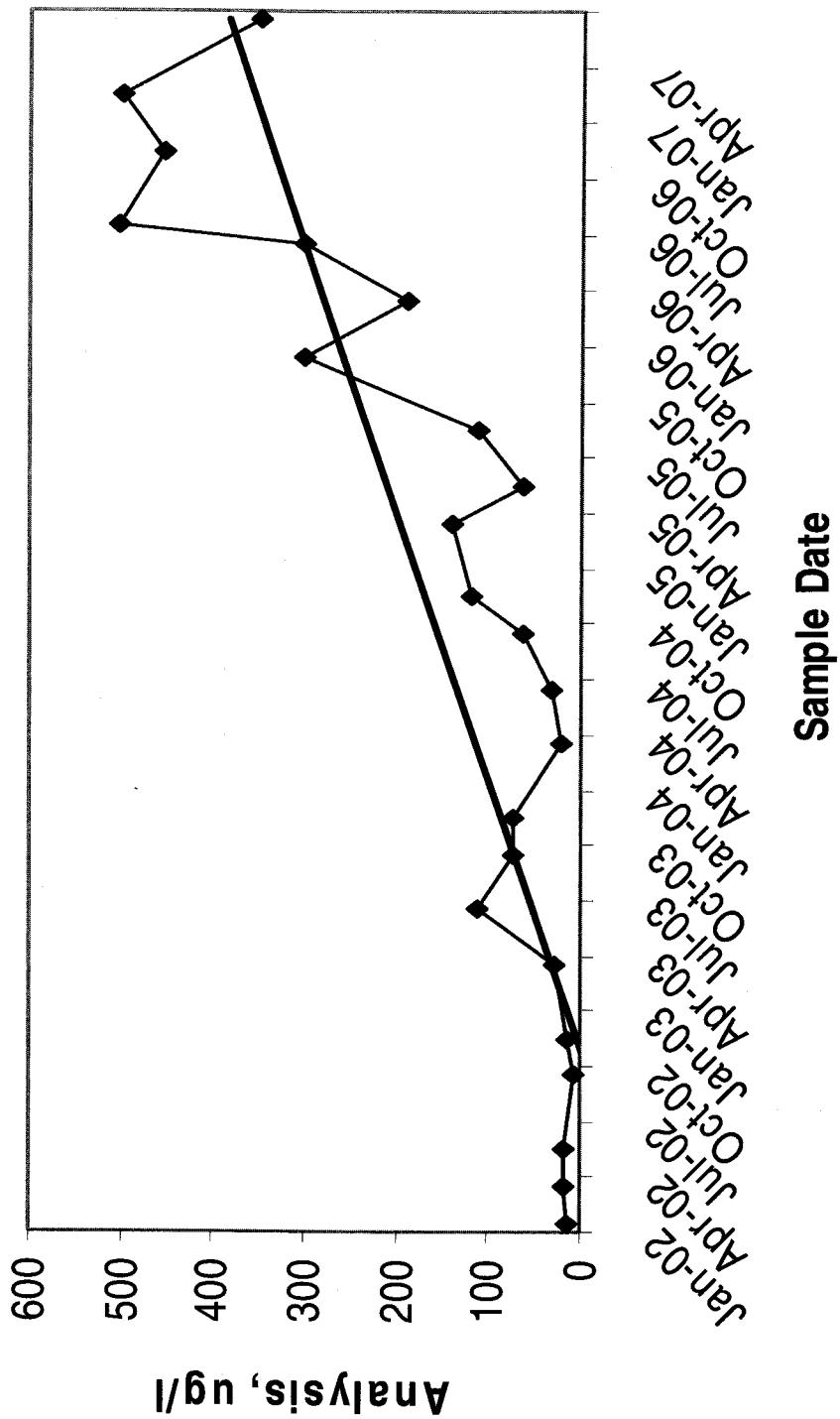
## TW4-8 - Chloroform Values



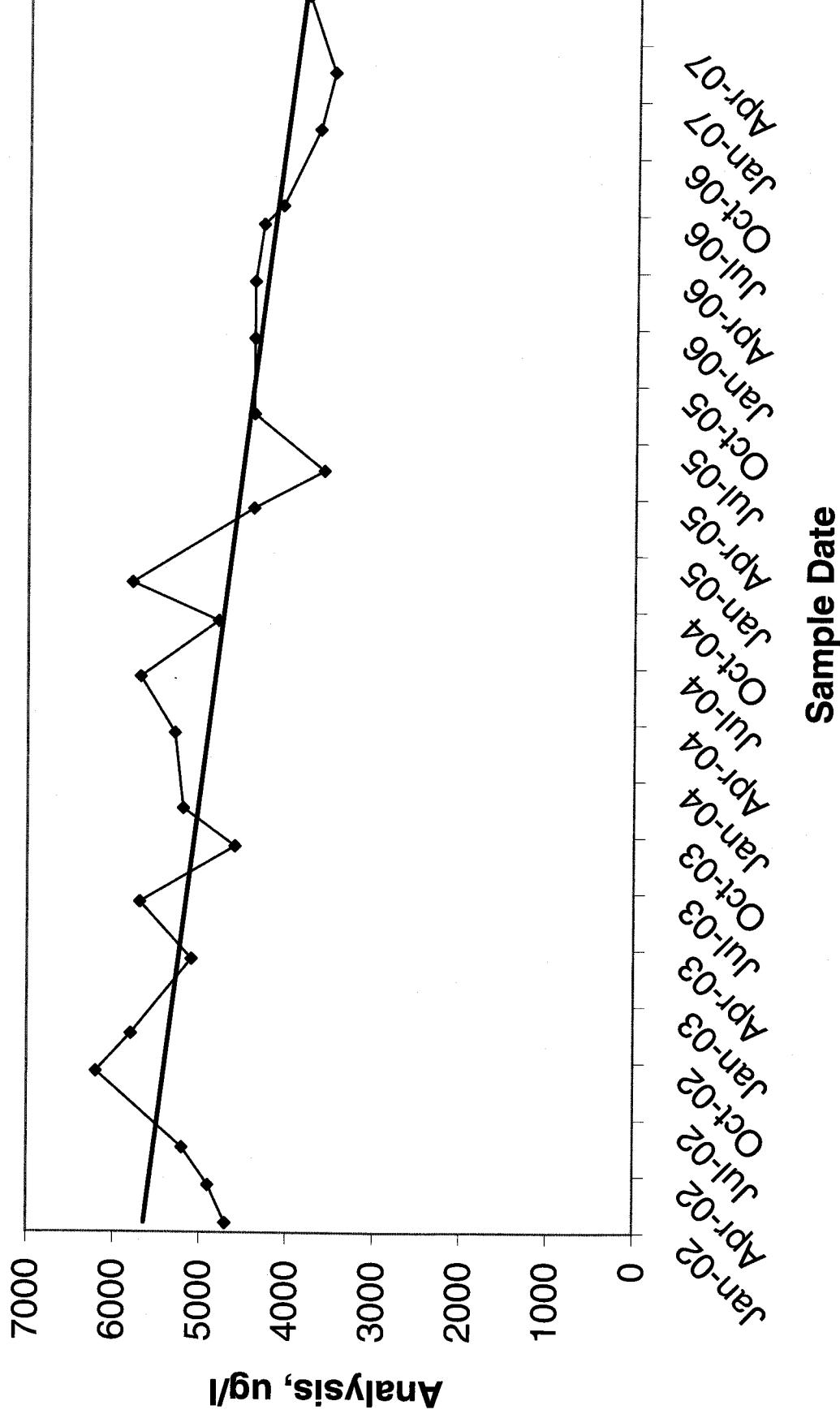
## TW4-9 - Chloroform Values



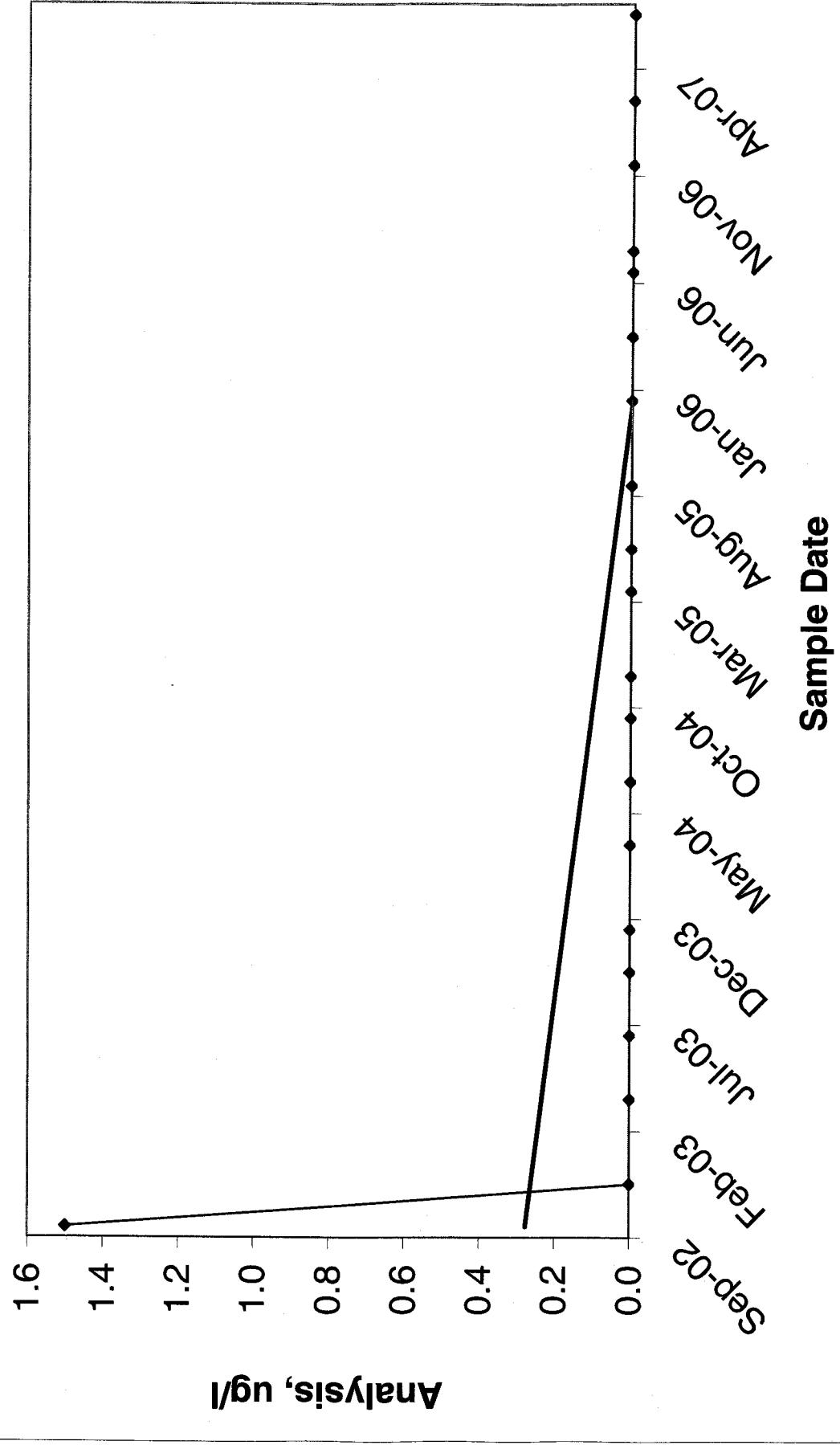
## TW4-10 - Chloroform Values



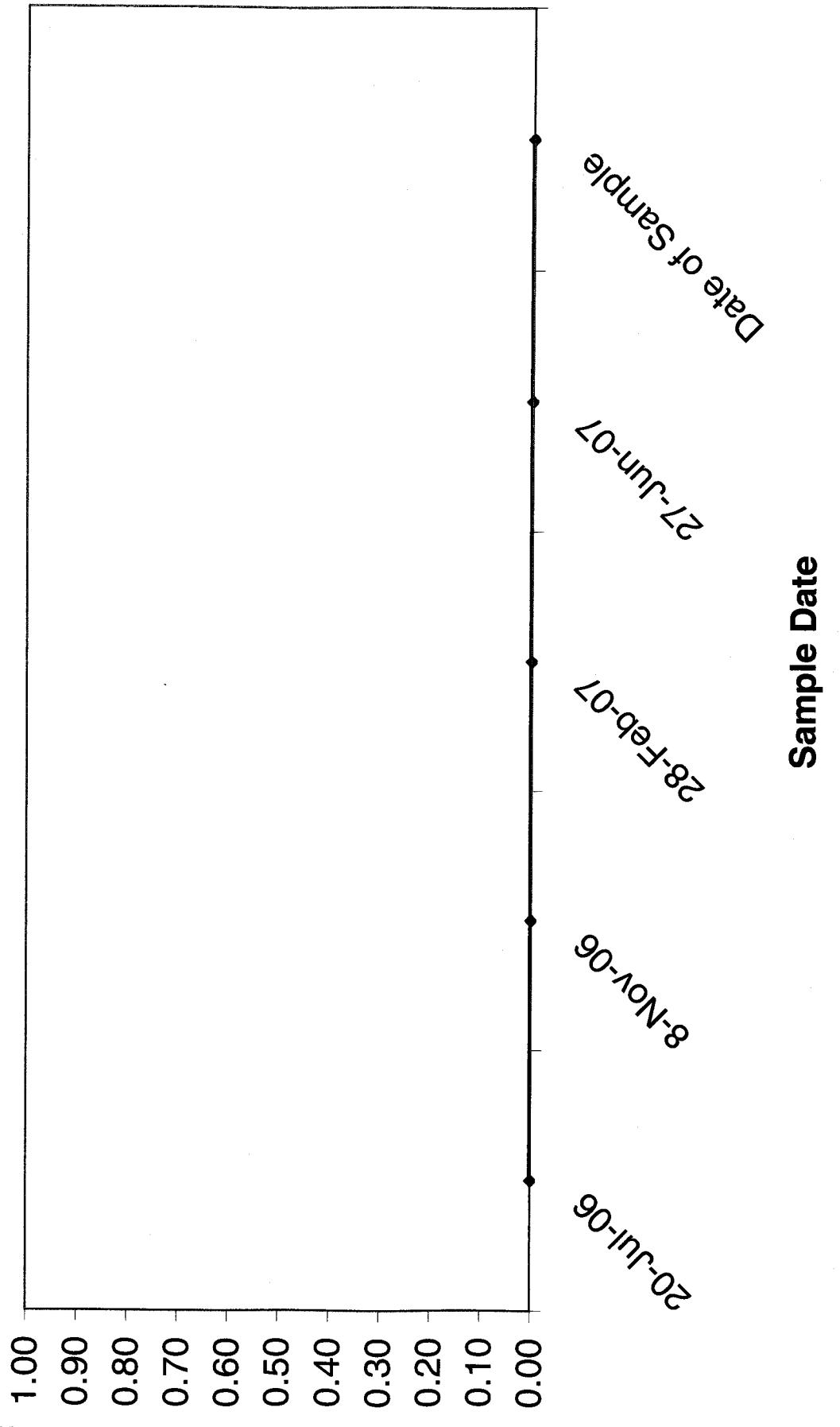
## TW4-11 - Chloroform Values



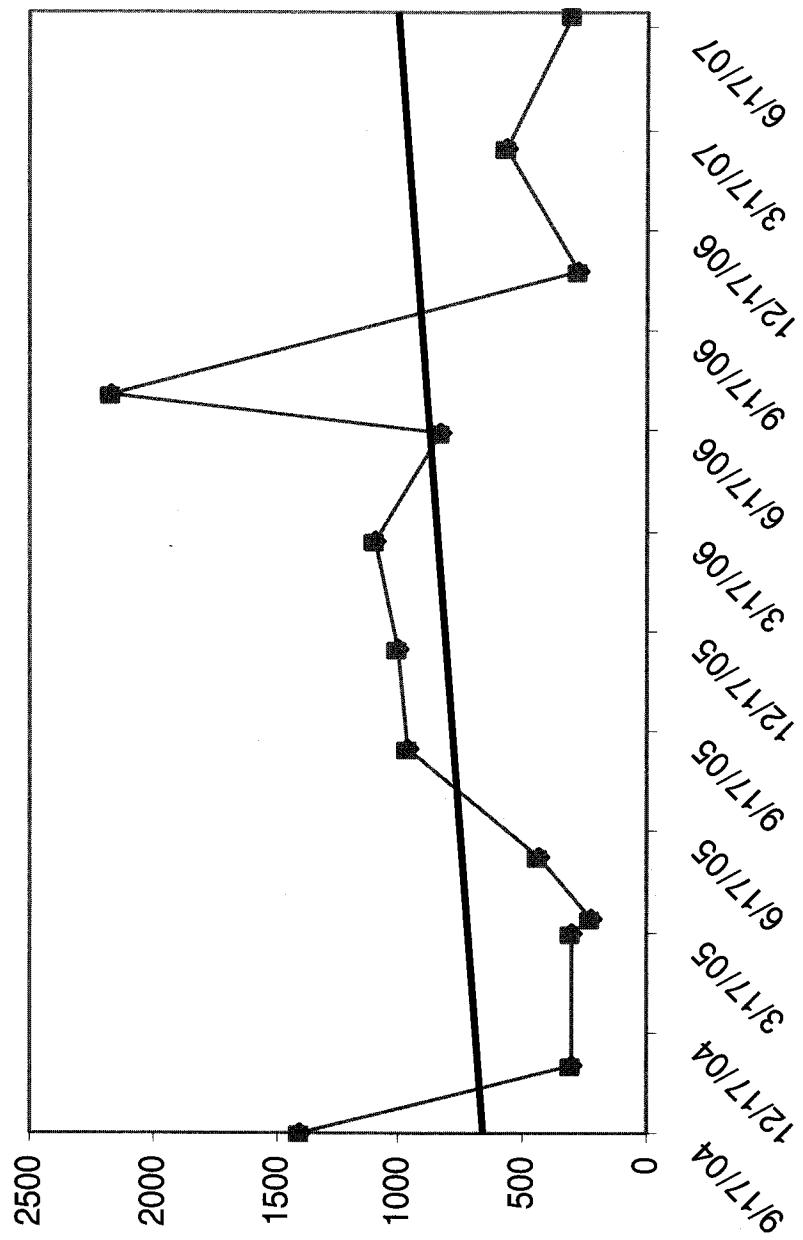
## TW4-12 - Chloroform Values

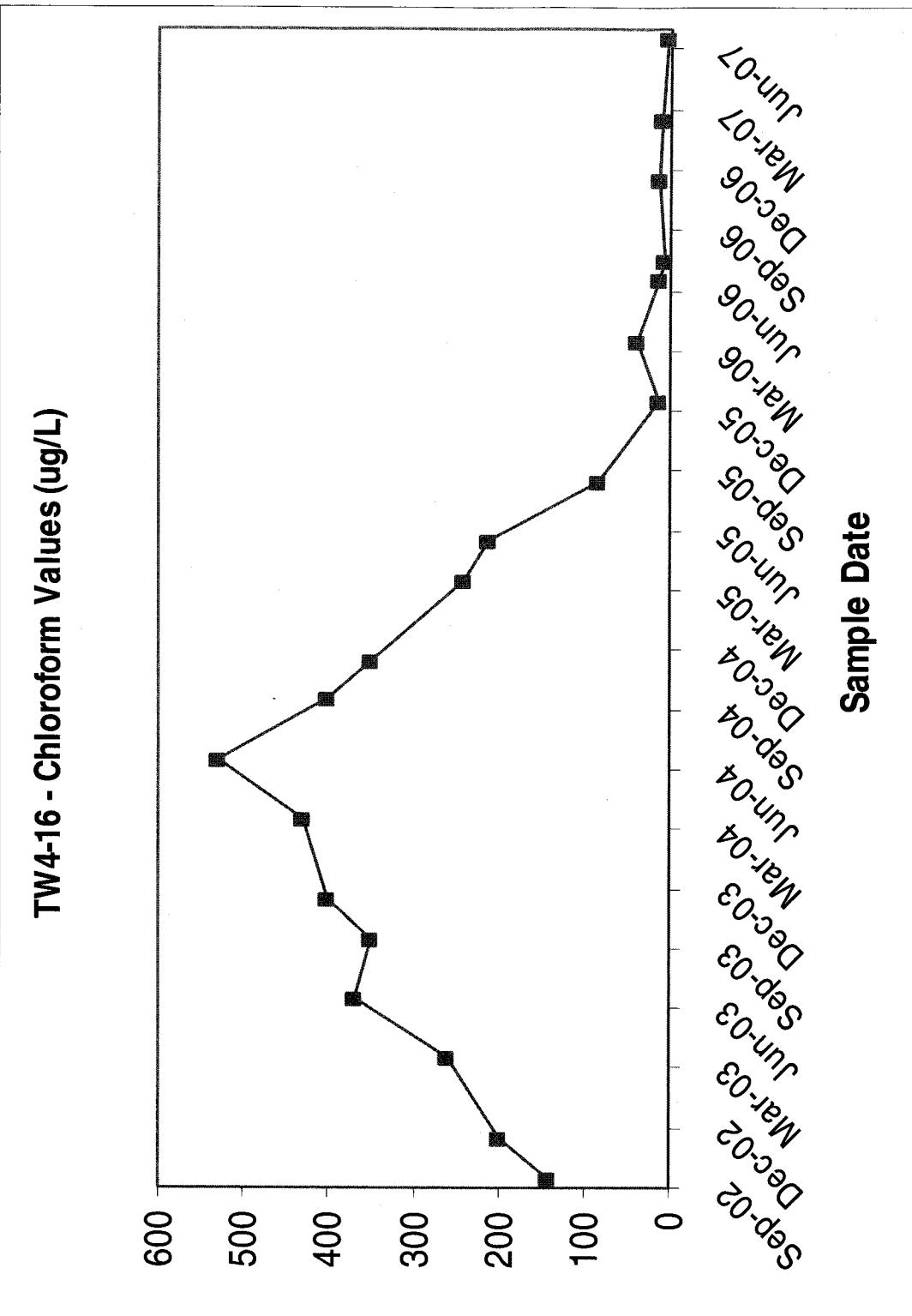


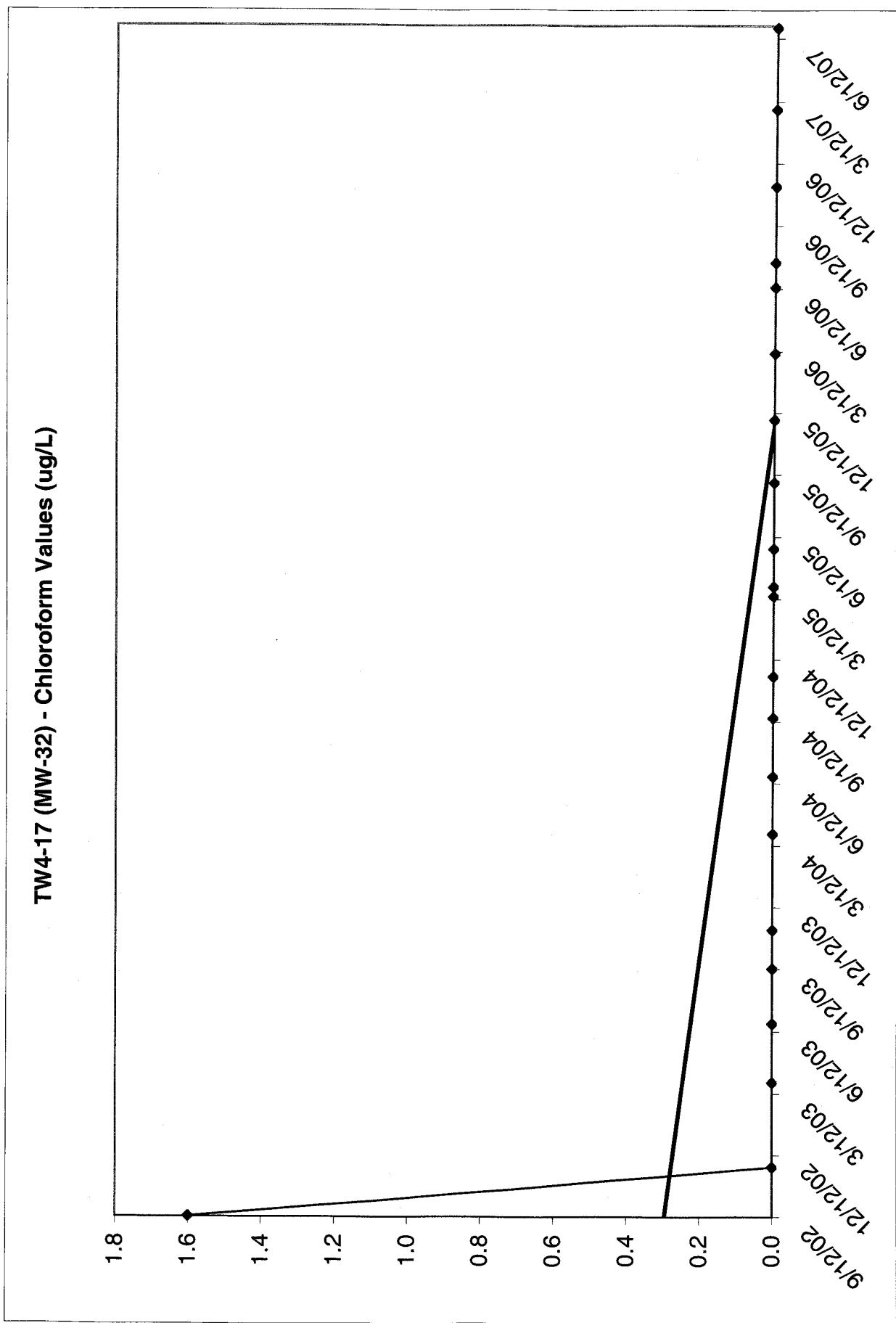
## TW4-13 - Chloroform Values (ug/L)



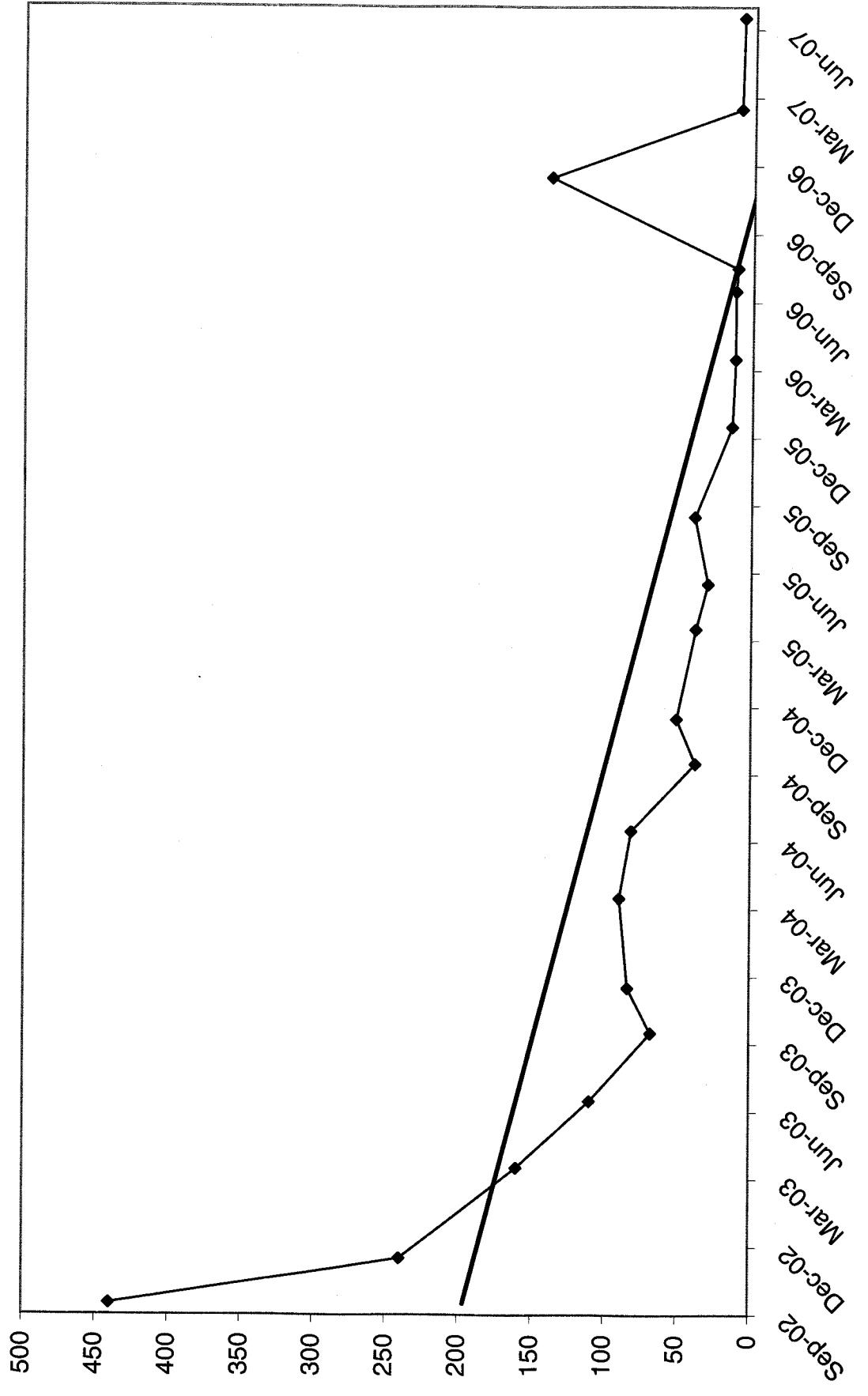
**TW4-15 (MW 26) - Chloroform Values (ug/L)**

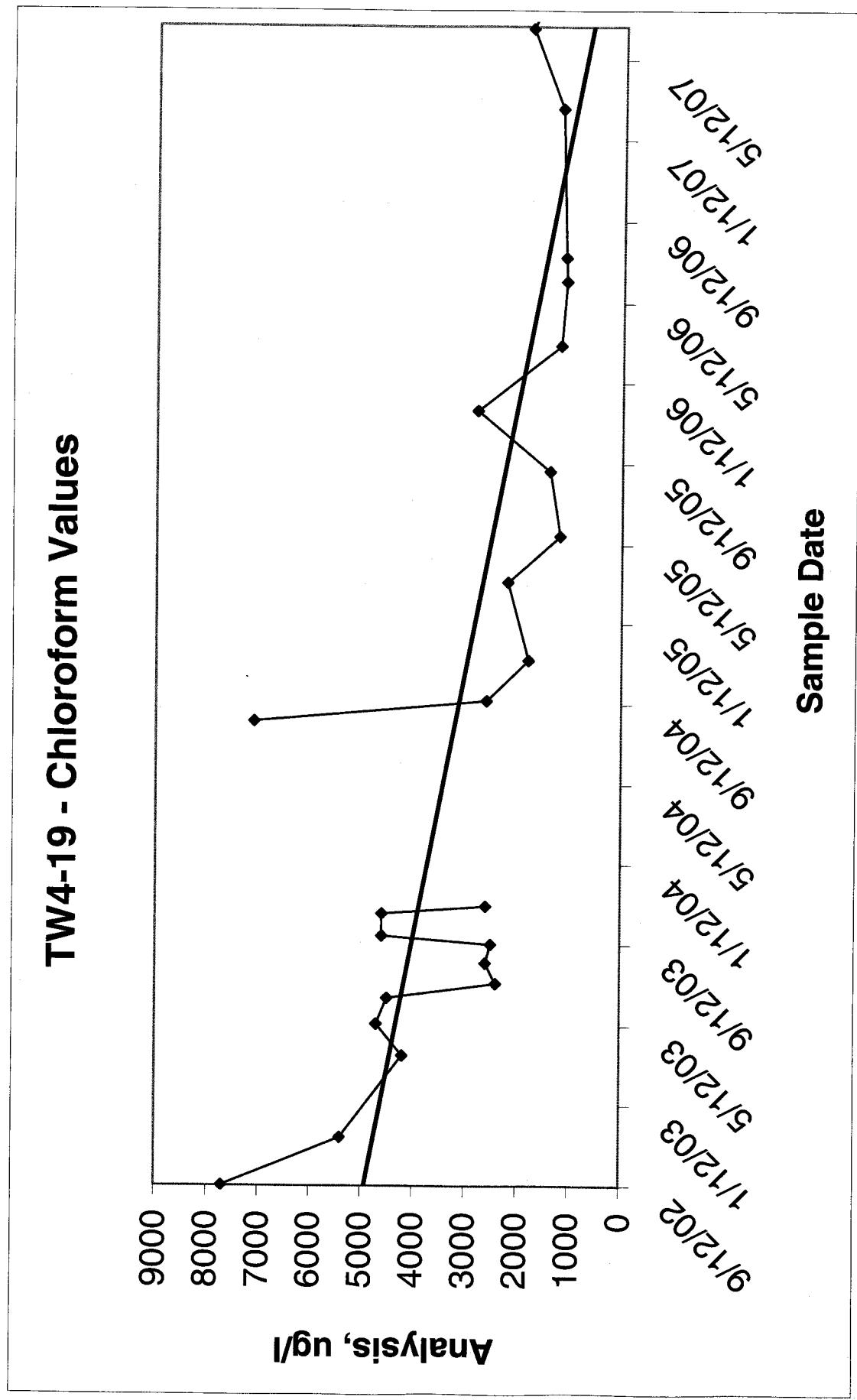


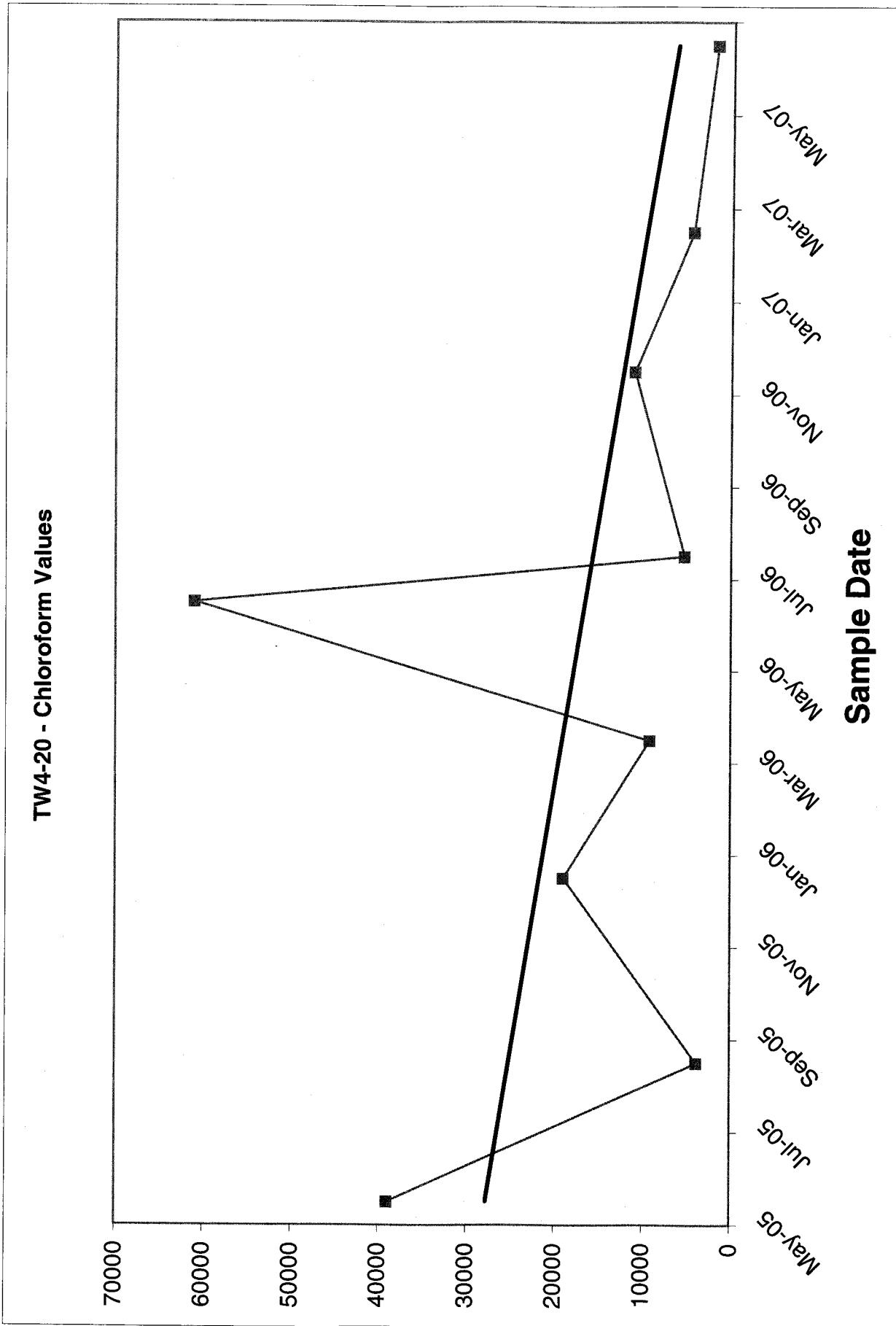


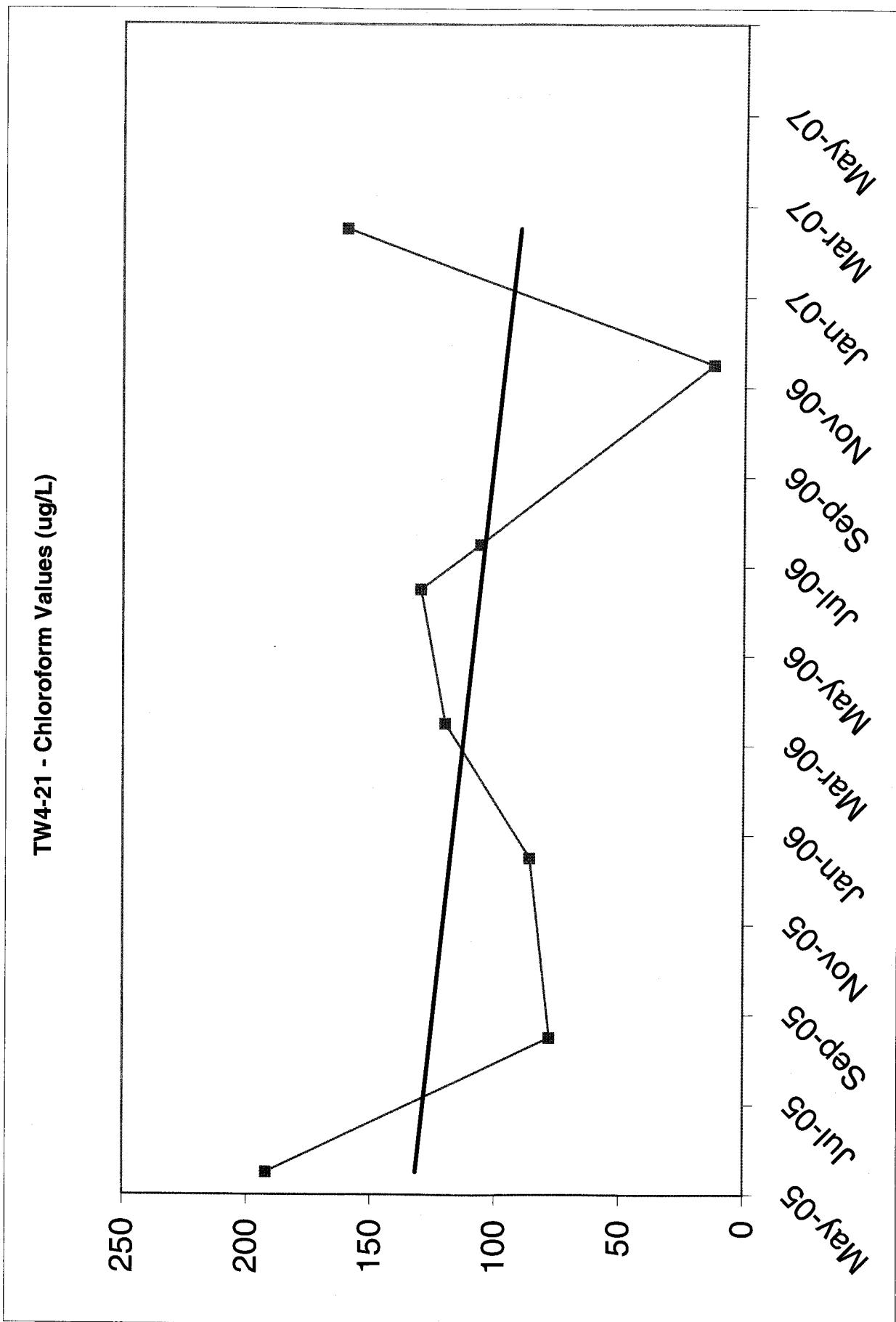


**TW4-18 - Chloroform Values (ug/L)**

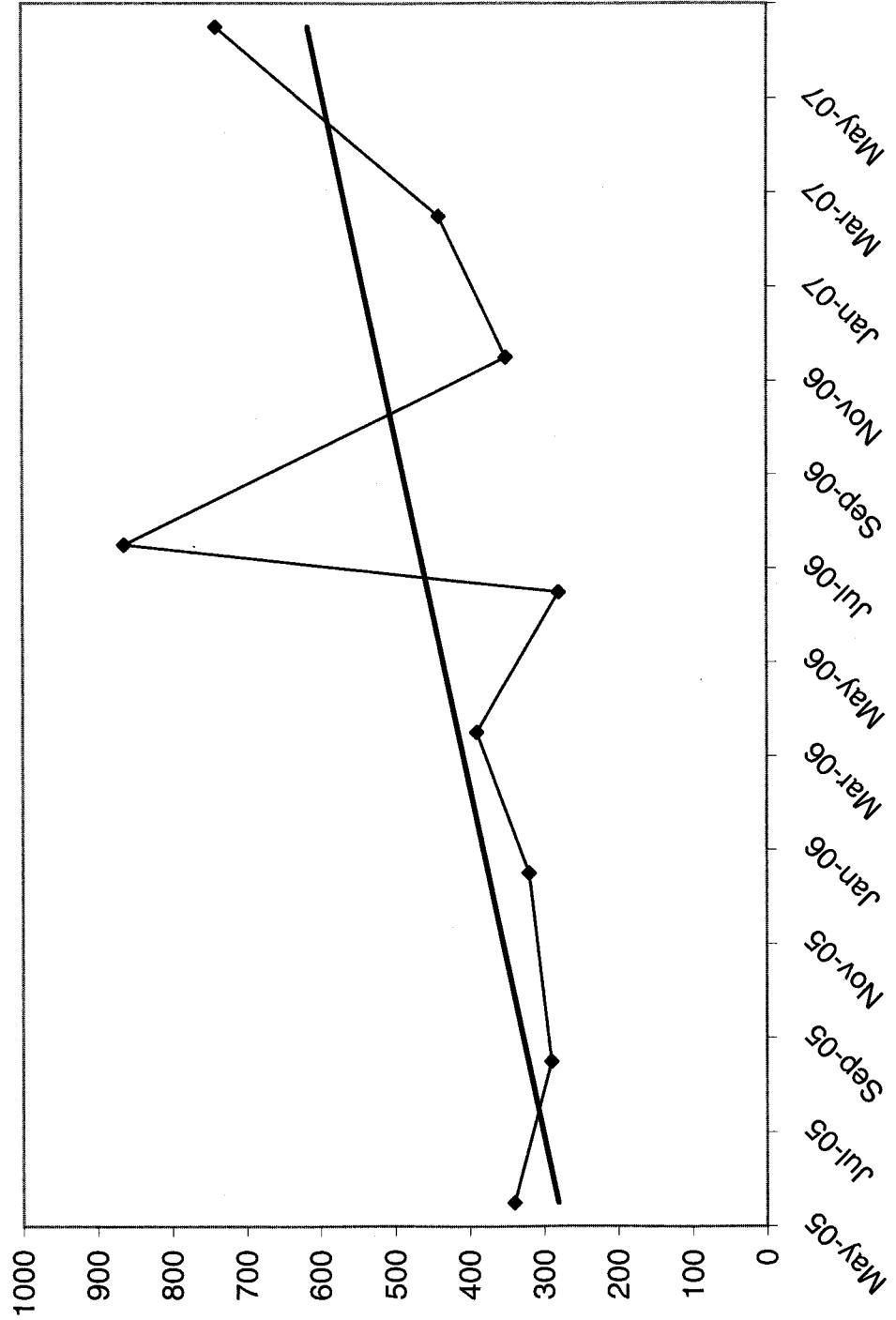








**TW4-22 - Chloroform Values (ug/L)**



**Chloroform Investigation Wells - Daily Inspection Report**

Date \_\_\_\_\_, 2006